

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 10:51:06 ; Search time 419.444 Seconds  
(without alignments)  
1869.194 Million cell updates/sec

Title: US-10-620-039-1\_COPY\_1\_125

Perfect score: 125

Sequence: 1 TTGGCCACTCCTCTCTGCG.....CGCAGAGAGGAGTGCCCAA 125

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 6313374 seqs, 3136092125 residues

Total number of hits satisfying chosen parameters: 12626748

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 300 summaries

Database : Published Applications NA.\*

1:	/cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq.*
2:	/cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq.*
3:	/cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq.*
4:	/cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq.*
5:	/cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq.*
6:	/cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq.*
7:	/cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq.*
8:	/cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq.*
9:	/cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq.*
10:	/cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq.*
11:	/cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq.*
12:	/cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
13:	/cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq.*
14:	/cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq.*
15:	/cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq.*
16:	/cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq.*
17:	/cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq.*
18:	/cgn2_6/ptodata/1/pubpna/US10F_PUBCOMB.seq.*
19:	/cgn2_6/ptodata/1/pubpna/US10G_PUBCOMB.seq.*
20:	/cgn2_6/ptodata/1/pubpna/US10H_PUBCOMB.seq.*
21:	/cgn2_6/ptodata/1/pubpna/US10I_PUBCOMB.seq.*
22:	/cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
23:	/cgn2_6/ptodata/1/pubpna/US11A_PUBCOMB.seq.*
24:	/cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq.*
25:	/cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
26:	/cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	125	100.0	130	9	US-09-528-158B-1
2	125	100.0	144	21	US-10-501-756-13
3	125	100.0	145	9	US-09-782-378A-6
4	125	100.0	145	15	US-10-240-198-2
5	125	100.0	145	20	US-10-837-029-1
6	125	100.0	145	20	US-10-837-029-1
7	125	100.0	145	21	US-10-501-756-12
-----					
1	125	100.0	130	9	US-09-528-158B-1
2	125	100.0	144	21	US-10-501-756-13
3	125	100.0	145	9	US-09-782-378A-6
4	125	100.0	145	15	US-10-240-198-2
5	125	100.0	145	20	US-10-837-029-1
6	125	100.0	145	20	US-10-837-029-1
7	125	100.0	145	21	US-10-501-756-12
-----					
1	125	100.0	130	9	US-09-528-158B-1
2	125	100.0	144	21	US-10-501-756-13
3	125	100.0	145	9	US-09-782-378A-6
4	125	100.0	145	15	US-10-240-198-2
5	125	100.0	145	20	US-10-837-029-1
6	125	100.0	145	20	US-10-837-029-1
7	125	100.0	145	21	US-10-501-756-12

8	125	100.0	146	13	US-10-135-984-8	Sequence 8, Appli
9	125	100.0	165	9	US-09-782-378A-8	Sequence 7, Appli
10	125	100.0	165	13	US-10-054-665-7	Sequence 13, Appli
11	125	100.0	165	16	US-10-159-968-13	Sequence 3, Appli
12	125	100.0	170	19	US-10-669-641-3	Sequence 1, Appli
13	125	100.0	175	17	US-10-276-356-1	Sequence 1, Appli
14	125	100.0	207	15	US-10-023-208-58	Sequence 58, Appli
15	125	100.0	207	15	US-10-023-208-58	Sequence 26, Appli
16	125	100.0	207	15	US-10-023-208-58	Sequence 26, Appli
17	125	100.0	207	15	US-10-023-208-58	Sequence 33, Appli
18	125	100.0	207	15	US-10-023-208-58	Sequence 33, Appli
19	125	100.0	207	15	US-10-023-208-58	Sequence 32, Appli
20	125	100.0	207	15	US-10-023-208-58	Sequence 31, Appli
21	125	100.0	207	15	US-10-023-208-58	Sequence 31, Appli
22	125	100.0	207	15	US-10-023-208-58	Sequence 30, Appli
23	125	100.0	207	15	US-10-023-208-58	Sequence 30, Appli
24	125	100.0	207	15	US-10-023-208-58	Sequence 30, Appli
25	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
26	125	100.0	207	15	US-10-023-208-58	Sequence 2, Appli
27	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
28	125	100.0	207	15	US-10-023-208-58	Sequence 7, Appli
29	125	100.0	207	15	US-10-023-208-58	Sequence 2, Appli
30	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
31	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
32	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
33	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
34	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
35	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
36	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
37	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
38	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
39	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
40	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
41	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
42	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
43	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
44	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
45	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
46	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
47	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
48	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
49	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
50	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
51	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
52	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
53	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
54	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
55	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
56	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
57	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
58	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
59	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
60	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
61	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
62	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
63	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
64	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
65	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
66	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
67	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
68	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
69	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
70	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
71	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
72	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
73	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
74	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
75	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
76	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
77	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
78	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
79	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli
80	125	100.0	207	15	US-10-023-208-58	Sequence 1, Appli

c 81	125	100.0	6924	14	US-10-340-112-9	Sequence 9, Appli	c 154	110	88.0	10398	9	US-09-757-673-1	Sequence 1, Appli
c 82	125	100.0	6924	14	US-10-340-112-10	Sequence 10, Appl	c 155	110	88.0	10398	9	US-09-242-977-1	Sequence 1, Appli
c 83	125	100.0	6924	14	US-10-340-112-11	Sequence 10, Appl	c 156	110	88.0	10398	9	US-09-242-977-1	Sequence 1, Appli
c 84	125	100.0	6924	14	US-10-340-112-11	Sequence 11, Appl	c 157	110	88.0	10398	9	US-09-923-726-1	Sequence 1, Appli
c 85	125	100.0	6924	14	US-10-340-112-11	Sequence 11, Appl	c 158	110	88.0	10398	9	US-09-923-726-1	Sequence 1, Appli
c 86	125	100.0	6981	14	US-10-267-117-7	Sequence 7, Appli	c 159	110	88.0	10398	9	US-09-740-211-13	Sequence 13, Appl
c 87	125	100.0	6981	14	US-10-267-117-7	Sequence 7, Appli	c 160	110	88.0	10398	9	US-09-740-211-13	Sequence 13, Appl
c 88	125	100.0	6981	14	US-10-340-112-7	Sequence 7, Appli	c 161	110	88.0	10398	13	US-10-007-968-13	Sequence 13, Appl
c 89	125	100.0	6981	14	US-10-340-112-7	Sequence 7, Appli	c 162	110	88.0	10398	13	US-10-007-968-13	Sequence 13, Appl
c 90	125	100.0	7054	14	US-10-267-117-3	Sequence 3, Appli	c 163	110	88.0	10398	14	US-10-293-400-13	Sequence 13, Appl
c 91	125	100.0	7054	14	US-10-267-117-3	Sequence 3, Appli	c 164	110	88.0	10398	14	US-10-293-400-13	Sequence 13, Appl
c 92	125	100.0	7054	14	US-10-340-112-3	Sequence 3, Appli	c 165	108.4	86.7	505	13	US-10-054-665-3	Sequence 3, Appli
c 93	125	100.0	7054	14	US-10-340-112-3	Sequence 3, Appli	c 166	108.4	86.7	505	13	US-10-054-665-3	Sequence 3, Appli
c 94	125	100.0	7405	14	US-10-267-117-2	Sequence 2, Appli	c 167	108	86.4	5610	13	US-10-090-983-2	Sequence 2, Appli
c 95	125	100.0	7405	14	US-10-267-117-2	Sequence 2, Appli	c 168	108	86.4	5610	13	US-10-090-983-2	Sequence 2, Appli
c 96	125	100.0	7405	14	US-10-340-112-2	Sequence 2, Appli	c 169	108	86.4	5974	13	US-10-090-983-8	Sequence 8, Appli
c 97	125	100.0	7405	14	US-10-340-112-2	Sequence 2, Appli	c 170	108	86.4	5974	13	US-10-090-983-8	Sequence 8, Appli
c 98	125	100.0	7492	14	US-10-267-117-5	Sequence 5, Appli	c 171	108	86.4	7015	9	US-09-770-315-1	Sequence 1, Appli
c 99	125	100.0	7492	14	US-10-267-117-5	Sequence 5, Appli	c 172	108	86.4	7015	9	US-09-770-315-1	Sequence 1, Appli
c 100	125	100.0	7492	14	US-10-340-112-5	Sequence 5, Appli	c 173	108	86.4	7096	13	US-10-090-983-3	Sequence 3, Appli
c 101	125	100.0	7492	14	US-10-340-112-5	Sequence 5, Appli	c 174	108	86.4	7096	13	US-10-090-983-3	Sequence 3, Appli
c 102	125	100.0	7914	13	US-10-095-718-3	Sequence 3, Appli	c 175	108	86.4	7557	9	US-09-770-315-3	Sequence 3, Appli
c 103	125	100.0	7914	18	US-10-681-970-3	Sequence 3, Appli	c 176	108	86.4	7557	9	US-09-770-315-3	Sequence 3, Appli
c 104	125	100.0	7944	13	US-10-095-718-1	Sequence 1, Appli	c 177	104.2	83.4	272	13	US-10-054-665-6	Sequence 6, Appli
c 105	125	100.0	7944	13	US-10-095-718-1	Sequence 1, Appli	c 178	99.4	79.5	272	13	US-10-054-665-4	Sequence 4, Appli
c 106	125	100.0	8698	9	US-09-770-315-2	Sequence 2, Appli	c 179	97.8	78.2	130	9	US-09-928-158B-1	Sequence 1, Appli
c 107	124	99.2	4848	10	US-09-845-416-35	Sequence 35, Appl	c 180	97.8	78.2	144	21	US-10-501-756-13	Sequence 13, Appl
c 108	124	99.2	7914	13	US-10-095-718-3	Sequence 3, Appli	c 181	97.8	78.2	145	9	US-09-782-378A-6	Sequence 6, Appli
c 109	124	99.2	7914	18	US-10-681-970-3	Sequence 3, Appli	c 182	97.8	78.2	145	15	US-10-240-198-2	Sequence 2, Appli
c 110	124	99.2	7944	13	US-10-095-718-1	Sequence 1, Appli	c 183	97.8	78.2	145	20	US-10-837-029-11	Sequence 11, Appl
c 111	124	99.2	7944	18	US-10-681-970-1	Sequence 1, Appli	c 184	97.8	78.2	145	20	US-10-837-029-11	Sequence 11, Appl
c 112	123.4	98.7	191	18	US-10-382-906-4	Sequence 4, Appli	c 185	97.8	78.2	145	21	US-10-501-756-12	Sequence 12, Appl
c 113	123.4	98.7	272	13	US-10-054-665-4	Sequence 4, Appli	c 186	97.8	78.2	146	13	US-10-135-984-8	Sequence 8, Appli
c 114	118.6	94.9	172	18	US-10-362-906-6	Sequence 6, Appli	c 187	97.8	78.2	165	9	US-09-782-378A-8	Sequence 8, Appli
c 115	117	93.6	272	13	US-10-054-665-6	Sequence 6, Appli	c 188	97.8	78.2	165	13	US-10-054-665-7	Sequence 7, Appli
c 116	113	90.4	144	19	US-10-669-641-1	Sequence 1, Appli	c 189	97.8	78.2	165	16	US-10-159-968-13	Sequence 13, Appl
c 117	112.2	89.8	6514	13	US-10-090-983-1	Sequence 1, Appli	c 190	97.8	78.2	170	19	US-10-669-641-3	Sequence 3, Appli
c 118	111.4	89.1	9600	16	US-10-278-751-1	Sequence 1, Appli	c 191	97.8	78.2	175	17	US-10-276-356-1	Sequence 1, Appli
c 119	110.4	88.3	6514	13	US-10-090-983-1	Sequence 1, Appli	c 192	97.8	78.2	207	15	US-10-023-208-58	Sequence 58, Appl
c 120	110	88.0	3589	21	US-10-604-340-8	Sequence 8, Appli	c 193	97.8	78.2	4675	9	US-09-782-378A-1	Sequence 1, Appli
c 121	110	88.0	3589	21	US-10-604-340-8	Sequence 8, Appli	c 194	97.8	78.2	4675	9	US-09-782-378A-2	Sequence 2, Appli
c 122	110	88.0	3589	21	US-10-604-340-9	Sequence 9, Appli	c 195	97.8	78.2	4675	15	US-10-240-198-1	Sequence 1, Appli
c 123	110	88.0	3589	21	US-10-604-340-9	Sequence 9, Appli	c 196	97.8	78.2	4675	15	US-10-291-583-7	Sequence 7, Appli
c 124	110	88.0	3617	21	US-10-604-340-10	Sequence 10, Appl	c 197	97.8	78.2	4675	19	US-10-427-129-2	Sequence 2, Appli
c 125	110	88.0	3617	21	US-10-604-340-10	Sequence 10, Appl	c 198	97.8	78.2	4675	9	US-09-804-888-1	Sequence 1, Appli
c 126	110	88.0	3618	21	US-10-604-340-5	Sequence 5, Appli	c 199	97.8	78.2	4679	9	US-09-945-681-10	Sequence 10, Appl
c 127	110	88.0	3618	21	US-10-604-340-5	Sequence 5, Appli	c 200	97.8	78.2	4679	13	US-10-038-972A-12	Sequence 12, Appl
c 128	110	88.0	3787	21	US-10-604-340-11	Sequence 11, Appl	c 201	97.8	78.2	4679	16	US-10-136-819-6	Sequence 6, Appli
c 129	110	88.0	3787	21	US-10-604-340-11	Sequence 11, Appl	c 202	97.8	78.2	4680	13	US-10-077-294-1	Sequence 1, Appli
c 130	110	88.0	3920	21	US-10-604-340-6	Sequence 6, Appli	c 203	97.8	78.2	4680	13	US-10-163-886-1	Sequence 1, Appli
c 131	110	88.0	3920	21	US-10-604-340-6	Sequence 6, Appli	c 204	97.8	78.2	4680	14	US-10-263-127-1	Sequence 1, Appli
c 132	110	88.0	3923	21	US-10-604-340-7	Sequence 7, Appli	c 205	97.8	78.2	4680	15	US-10-375-777-1	Sequence 1, Appli
c 133	110	88.0	3923	21	US-10-604-340-7	Sequence 7, Appli	c 206	97.8	78.2	4681	18	US-10-696-261-18	Sequence 18, Appl
c 134	110	88.0	4999	9	US-09-740-211-14	Sequence 14, Appl	c 207	97.8	78.2	4681	18	US-10-696-282-18	Sequence 18, Appl
c 135	110	88.0	4999	9	US-09-740-211-14	Sequence 14, Appl	c 208	97.8	78.2	4681	18	US-10-696-900-18	Sequence 18, Appl
c 136	110	88.0	4999	13	US-10-007-968-14	Sequence 14, Appl	c 209	97.8	78.2	4683	18	US-10-696-261-19	Sequence 19, Appl
c 137	110	88.0	4999	13	US-10-007-968-14	Sequence 14, Appl	c 210	97.8	78.2	4683	18	US-10-696-282-19	Sequence 19, Appl
c 138	110	88.0	4999	14	US-10-293-400-14	Sequence 14, Appl	c 211	97.8	78.2	4683	18	US-10-696-900-19	Sequence 19, Appl
c 139	110	88.0	4999	14	US-10-293-400-14	Sequence 14, Appl	c 212	97.8	78.2	4683	19	US-10-427-129-6	Sequence 6, Appli
c 140	110	88.0	5418	20	US-10-452-878-3	Sequence 3, Appli	c 213	97.8	78.2	4683	21	US-10-959-017-2	Sequence 2, Appli
c 141	110	88.0	5418	20	US-10-452-878-3	Sequence 3, Appli	c 214	97.8	78.2	6081	15	US-10-294-957-18	Sequence 18, Appl
c 142	110	88.0	6437	21	US-10-604-340-1	Sequence 1, Appli	c 215	97.8	78.2	8698	9	US-09-770-315-2	Sequence 2, Appli
c 143	110	88.0	6437	21	US-10-604-340-1	Sequence 1, Appli	c 216	96.2	77.0	145	20	US-10-837-029-5	Sequence 5, Appli
c 144	110	88.0	6437	21	US-10-604-340-3	Sequence 3, Appli	c 217	96.2	77.0	191	18	US-10-362-906-4	Sequence 4, Appli
c 145	110	88.0	6437	21	US-10-604-340-3	Sequence 3, Appli	c 218	96.2	77.0	4722	19	US-10-427-129-3	Sequence 3, Appli
c 146	110	88.0	7648	17	US-10-176-066-1	Sequence 1, Appli	c 219	96.2	77.0	4726	15	US-10-291-583-8	Sequence 8, Appli
c 147	110	88.0	7648	17	US-10-176-066-1	Sequence 1, Appli	c 220	96.2	77.0	4726	21	US-10-959-017-4	Sequence 4, Appli
c 148	110	88.0	8092	17	US-10-176-066-2	Sequence 2, Appli	c 221	95.2	76.2	4726	21	US-10-427-129-3	Sequence 3, Appli
c 149	110	88.0	8092	17	US-10-176-066-2	Sequence 2, Appli	c 222	94.4	75.5	300	13	US-10-054-665-5	Sequence 5, Appli
c 150	110	88.0	8509	14	US-10-255-527-1	Sequence 1, Appli	c 223	91.4	73.1	125	10	US-09-254-747-6	Sequence 6, Appli
c 151	110	88.0	8509	14	US-10-255-527-1	Sequence 1, Appli	c 224	91.4	73.1	145	20	US-10-837-029-4	Sequence 4, Appli
c 152	110	88.0	9600	16	US-10-278-751-1	Sequence 1, Appli	c 225	91.4	73.1	145	20	US-10-837-029-6	Sequence 6, Appli
c 153	110	88.0	10398	9	US-09-757-673-1	Sequence 1, Appli	c 226	91.4	73.1	4718	15	US-10-291-583-6	Sequence 6, Appli

```

c 300      42      33.6      54      15      US-10-023-208-60      Sequence 60, Appl
ALIGNMENTS

RESULT 1
US-09-928-158B-1
; Sequence 1, Application US/09928158B
; Patent No. US2002017722A1
; GENERAL INFORMATION:
; APPLICANT: SIKUN, LI
; TITLE OF INVENTION: REPLICATION COMPETENT AAV HELPER FUNCTIONS
; FILE REFERENCE: 102182-18
; CURRENT APPLICATION NUMBER: US/09/928,158B
; CURRENT FILING DATE: 2002-05-06
; PRIOR APPLICATION NUMBER: 60/224,132
; PRIOR FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 130
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-09-928-158B-1

Query Match      100.0%; Score 125; DB 9; Length 130;
Best Local Similarity 100.0%; Pred. No. 1.3e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1      TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 60
Db      1      TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 60

Qy      61      CGAGCGCGCGCTTTCGCCGGCGGCGCTCAGTCAGCGCGCGCGCGCAGAGGGGAGTG 120
Db      61      CGAGCGCGCGGCTTTCGCCGGCGGCGCTCAGTCAGCGCGCGCGCGCAGAGGGGAGTG 120

Qy      121     GCCAA 125
Db      121     GCCAA 125

RESULT 2
US-10-501-756-13
; Sequence 13, Application US/10501756
; Publication No. US20050112765A1
; GENERAL INFORMATION:
; APPLICANT: Duke University
; APPLICANT: Chuan-Yuan, Li
; APPLICANT: Xiuwu, Zhang
; TITLE OF INVENTION: GENERATION OF RECOMBINANT ADENO-ASSOCIATED VIRAL VECTORS
; TITLE OF INVENTION: COMPLETE ADENOVIRUS-MEDIATED APPROACH
; FILE REFERENCE: 180/137
; CURRENT APPLICATION NUMBER: US/10/501,756
; CURRENT FILING DATE: 2004-07-16
; PRIOR APPLICATION NUMBER: US 60/349,532
; PRIOR FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 13
; LENGTH: 144
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-10-501-756-13

Query Match      100.0%; Score 125; DB 21; Length 144;
Best Local Similarity 100.0%; Pred. No. 1.2e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1      TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 60
Db      20      TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 79

```

QY 61 CGACCCCGGGCTTTGCCGGCGCCCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120  
DB 80 CGACCCCGGGCTTTGCCGGCGCCCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 139

QY 121 GCCAA 125  
DB 140 GCCAA 144

## RESULT 3

US-09-782-378A-6  
; Sequence 6, Application US/09782378A  
; Patent No. US20020102731A1

## ; GENERAL INFORMATION:

; APPLICANT: Hearing, Patrick  
; APPLICANT: Bahou, wadie  
; APPLICANT: Sandalon, Ziv  
; APPLICANT: Gnatenko, Dmitri  
; TITLE OF INVENTION: Adenoviral Vectors  
; FILE REFERENCE: STONYB-04970  
; CURRENT APPLICATION NUMBER: US/09/782,378A  
; CURRENT FILING DATE: 2001-02-12  
; PRIOR APPLICATION NUMBER: 60/237,747  
; PRIOR FILING DATE: 2000-10-02  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 6  
; LENGTH: 145  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-782-378A-6

Query Match 100.0%; Score 125; DB 9; Length 145;  
Best Local Similarity 100.0%; Pred. No. 1.2e-27;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60  
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60  
QY 61 CGACCCCGGGCTTTGCCGGCGCCCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120  
DB 61 CGACCCCGGGCTTTGCCGGCGCCCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120  
QY 121 GCCAA 125  
DB 121 GCCAA 125

## RESULT 4

US-10-240-198-2  
; Sequence 2, Application US/10240198  
; Publication No. US20030100115A1

## ; GENERAL INFORMATION:

; APPLICANT: BYG International Ltd  
; APPLICANT: BEARD DR, PETER  
; APPLICANT: RAJ DR, KENNETH  
; TITLE OF INVENTION: CYTOTOXIC AGENTS  
; FILE REFERENCE: 142184WO  
; CURRENT APPLICATION NUMBER: US/10/240,198  
; CURRENT FILING DATE: 2002-09-30  
; PRIOR APPLICATION NUMBER: 0009887.1  
; PRIOR FILING DATE: 2000-04-20  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 145  
; TYPE: DNA  
; ORGANISM: adeno-associated virus 2

; FEATURE:  
; NAME/KEY: misc structure  
; LOCATION: (1)..(145)

; OTHER INFORMATION: ITR  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (72)  
; OTHER INFORMATION: Unpaired base  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (94)  
; OTHER INFORMATION: Unpaired base  
US-10-240-198-2

Query Match 100.0%; Score 125; DB 15; Length 145;  
Best Local Similarity 100.0%; Pred. No. 1.2e-27;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60  
DB 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 80  
QY 61 CGACCCCGGGCTTTGCCGGCGCCCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120  
DB 81 CGACCCCGGGCTTTGCCGGCGCCCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 140  
QY 121 GCCAA 125  
DB 141 GCCAA 145

## RESULT 5

US-10-837-029-1  
; Sequence 1, Application US/10837029  
; Publication No. US20040248301A1  
; GENERAL INFORMATION:

; APPLICANT: Engelhardt, John F.  
; TITLE OF INVENTION: ADENO ASSOCIATED VIRUS VECTORS WITH  
; TITLE OF INVENTION: INTRAVECTOR HETEROLOGOUS TERMINAL PALINDROMIC SEQUENCES  
; FILE REFERENCE: 875.105US1  
; CURRENT APPLICATION NUMBER: US/10/837,029  
; CURRENT FILING DATE: 2004-04-30  
; PRIOR APPLICATION NUMBER: US 10/194,421  
; PRIOR FILING DATE: 2002-07-12  
; PRIOR APPLICATION NUMBER: US 60/305,204  
; PRIOR FILING DATE: 2001-07-13  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 145  
; TYPE: DNA  
; ORGANISM: Adeno-associated virus  
US-10-837-029-1

Query Match 100.0%; Score 125; DB 20; Length 145;  
Best Local Similarity 100.0%; Pred. No. 1.2e-27;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60  
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60  
QY 61 CGACCCCGGGCTTTGCCGGCGCCCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120  
DB 61 CGACCCCGGGCTTTGCCGGCGCCCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120  
QY 121 GCCAA 125  
DB 121 GCCAA 125

## RESULT 6

US-10-837-029-11  
; Sequence 11, Application US/10837029  
; Publication No. US20040248301A1  
; GENERAL INFORMATION:



```
; APPLICANT: Engelhardt, John F.
; TITLE OF INVENTION: ADENO ASSOCIATED VIRUS VECTORS WITH
; FILE REFERENCE: 875.105US1
; CURRENT APPLICATION NUMBER: US/10/837,029
; CURRENT FILING DATE: 2004-04-30
; PRIOR APPLICATION NUMBER: US 10/194,421
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: US 60/305,204
; PRIOR FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 145
; TYPE: DNA
; ORGANISM: Adeno-associated virus
US-10-837-029-11

Query Match          100.0%; Score 125; DB 20; Length 145;
Best Local Similarity 100.0%; Pred. No. 1.2e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120

QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 7
US-10-501-756-12
; Sequence 12, Application US/10501756
; Publication No. US20050112765A1
; GENERAL INFORMATION:
; APPLICANT: Duke University
; APPLICANT: Chuan-Yuan, Li
; APPLICANT: Xiuwu, Zhang
; TITLE OF INVENTION: GENERATION OF RECOMBINANT ADENO-ASSOCIATED VIRAL VECTORS BY A
; FILE REFERENCE: 180/137
; CURRENT APPLICATION NUMBER: US/10/501,756
; CURRENT FILING DATE: 2004-07-16
; PRIOR APPLICATION NUMBER: US 60/349,532
; PRIOR FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 12
; LENGTH: 145
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-10-501-756-12

Query Match          100.0%; Score 125; DB 21; Length 145;
Best Local Similarity 100.0%; Pred. No. 1.2e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120

QY 121 GCCAA 125
DB 121 GCCAA 125
```

```
RESULT 8
US-10-135-984-8
; Sequence 8, Application US/10135984
; Publication No. US20020182595A1
; GENERAL INFORMATION:
; APPLICANT: Matthew D. Weitzman
; APPLICANT: Anton J. Cathomen
; TITLE OF INVENTION: METHOD OF IDENTIFYING CELLULAR
; TITLE OF INVENTION: REGULATORS OF ADENO-ASSOCIATED VIRUS (AAV)
; FILE REFERENCE: SALKINS.041A
; CURRENT APPLICATION NUMBER: US/10/135,984
; CURRENT FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: 60/286951
; PRIOR FILING DATE: 2001-04-27
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 146
; TYPE: DNA
; ORGANISM: adeno-associated virus
US-10-135-984-8

Query Match          100.0%; Score 125; DB 13; Length 146;
Best Local Similarity 100.0%; Pred. No. 1.2e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120

QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 9
US-09-782-378A-8
; Sequence 8, Application US/09782378A
; Patent No. US20020102731A1
; GENERAL INFORMATION:
; APPLICANT: Hearing, Patrick
; APPLICANT: Bahou, Wadie
; APPLICANT: Sandalon, Ziv
; APPLICANT: Gnatenko, Dmitri
; TITLE OF INVENTION: Adenoviral Vectors
; FILE REFERENCE: STONYB-04970
; CURRENT APPLICATION NUMBER: US/09/782,378A
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/237,747
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-782-378A-8

Query Match          100.0%; Score 125; DB 9; Length 165;
Best Local Similarity 100.0%; Pred. No. 1.2e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
DB 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 80

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120
```

```
|||||
Db      81 CGACGCCCGGGCTTTGGCCCGCGGCTCAGTGACGAGCGGCGGACGAGAGGGAGTG 140
QY      121 GCCAA 125
Db      141 GCCAA 145

RESULT 10
US-10-054-665-7
; Sequence 7, Application US/10054665
; Publication No. US20020197237A1
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; APPLICANT: Duan, Dongsheng
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US2
; CURRENT APPLICATION NUMBER: US/10/054,665
; CURRENT FILING DATE: 2002-06-13
; PRIOR APPLICATION NUMBER: US 09/276,625
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 5,478,745
US-10-054-665-7

Query Match      100.0%; Score 125; DB 13; Length 165;
Best Local Similarity 100.0%; Pred. No. 1.2e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 60
Db      21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 80

QY      61 CGACGCCCGGGCTTTGCCCGCGGCTCAGTGAGCGGCGGCGGACGAGAGGGAGTG 120
Db      81 CGACGCCCGGGCTTTGCCCGCGGCTCAGTGAGCGGCGGCGGACGAGAGGGAGTG 140

QY      121 GCCAA 125
Db      141 GCCAA 145

RESULT 11
US-10-159-968-13/c
; Sequence 13, Application US/10159968
; Publication No. US20030152914A1
; GENERAL INFORMATION:
; APPLICANT: Kaplitt, Michael G.
; APPLICANT: Musatov, Serge
; TITLE OF INVENTION: Method for Generating Replication
; FILE REFERENCE: 600-1-286
; CURRENT APPLICATION NUMBER: US/10/159,968
; CURRENT FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 60/294,797
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: US 60/313,007
; PRIOR FILING DATE: 2001-08-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Adeno-associated virus
US-10-159-968-13
```

```
Query Match      100.0%; Score 125; DB 16; Length 165;
Best Local Similarity 100.0%; Pred. No. 1.2e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 60
Db      145 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 86

QY      61 CGACGCCCGGGCTTTGCCCGCGGCTCAGTGAGCGGCGGCGGACGAGAGGGAGTG 120
Db      85 CGACGCCCGGGCTTTGCCCGCGGCTCAGTGAGCGGCGGCGGACGAGAGGGAGTG 26

QY      121 GCCAA 125
Db      25 GCCAA 21

RESULT 12
US-10-669-641-3
; Sequence 3, Application US/10669641
; Publication No. US20040137626A1
; GENERAL INFORMATION:
; APPLICANT: WAGNER, THOMAS E.
; APPLICANT: YU, XIANXUANG
; TITLE OF INVENTION: AAV ITR-MEDIATED MODULATION
; FILE REFERENCE: 035879-0165
; CURRENT APPLICATION NUMBER: US/10/669,641
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/413,450
; PRIOR FILING DATE: 2002-09-26
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 3
; LENGTH: 170
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic AAV
; OTHER INFORMATION: ITR nucleotide sequence
US-10-669-641-3

Query Match      100.0%; Score 125; DB 19; Length 170;
Best Local Similarity 100.0%; Pred. No. 1.2e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 60
Db      1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 60

QY      61 CGACGCCCGGGCTTTGCCCGCGGCTCAGTGAGCGGCGGCGGACGAGAGGGAGTG 120
Db      61 CGACGCCCGGGCTTTGCCCGCGGCTCAGTGAGCGGCGGCGGACGAGAGGGAGTG 120

QY      121 GCCAA 125
Db      121 GCCAA 125

RESULT 13
US-10-276-356-1/c
; Sequence 1, Application US/10276356
; Publication No. US20040029106A1
; GENERAL INFORMATION:
; APPLICANT: University of No. US20040029106A1th Carolina at Chapel Hill
; APPLICANT: Samulski, R. Jude
; APPLICANT: McCarty, Douglas M.
; TITLE OF INVENTION: DPLEXED PARVOVIRUS VECTORS
; FILE REFERENCE: 5470-282
; CURRENT APPLICATION NUMBER: US/10/276,356
; CURRENT FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: PCT/US01/17587
; PRIOR FILING DATE: 2001-05-31
```

; NUMBER OF SEQ ID NOS: 1  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 175  
; TYPE: DNA  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Inverted terminal repeat from the AAV-2 vector plasmid pSub 201  
US-10-276-356-1

Query Match 100.0%; Score 125; DB 17; Length 175;  
Best Local Similarity 100.0%; Pred. No. 1.2e-27;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60  
DB 150 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 91  
QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGAGTG 120  
DB 90 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGAGTG 31  
QY 121 GCCAA 125  
DB 30 GCCAA 26

RESULT 14  
US-10-023-208-58  
; Sequence 58, Application US/10023208  
; Publication No. US20030124537A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Yuan-Ching  
; TITLE OF INVENTION: PROCARYOTIC LIBRARIES AND USES  
; FILE REFERENCE: A-70174-1/RFT/RMS/RMK  
; CURRENT APPLICATION NUMBER: US/10/023,208  
; CURRENT FILING DATE: 2001-12-17  
; PRIOR APPLICATION NUMBER: US 60/256,163  
; PRIOR FILING DATE: 2000-12-14  
; NUMBER OF SEQ ID NOS: 63  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 58  
; TYPE: DNA  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic enzyme attachment site sequence  
US-10-023-208-58

Query Match 100.0%; Score 125; DB 15; Length 207;  
Best Local Similarity 100.0%; Pred. No. 1.1e-27;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60  
DB 42 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 101  
QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGAGTG 120  
DB 102 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGAGTG 161  
QY 121 GCCAA 125  
DB 162 GCCAA 166

RESULT 15  
US-09-845-416-26  
; Sequence 26, Application US/09845416  
; Publication No. US20030171312A1  
; GENERAL INFORMATION:  
; APPLICANT: XIAO, XIAO

; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
; FILE REFERENCE: DE1142  
; CURRENT APPLICATION NUMBER: US/09/845,416  
; CURRENT FILING DATE: 2001-04-30  
; PRIOR APPLICATION NUMBER: 60/200,777  
; PRIOR FILING DATE: 2000-04-28  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 26  
; LENGTH: 955  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-845-416-26

Query Match 100.0%; Score 125; DB 10; Length 955;  
Best Local Similarity 100.0%; Pred. No. 8.2e-28;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60  
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60  
QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGAGTG 120  
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGAGTG 120  
QY 121 GCCAA 125  
DB 121 GCCAA 125

RESULT 16  
US-09-845-416-26/c  
; Sequence 26, Application US/09845416  
; Publication No. US20030171312A1  
; GENERAL INFORMATION:  
; APPLICANT: XIAO, XIAO  
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
; FILE REFERENCE: DE1142  
; CURRENT APPLICATION NUMBER: US/09/845,416  
; CURRENT FILING DATE: 2001-04-30  
; PRIOR APPLICATION NUMBER: 60/200,777  
; PRIOR FILING DATE: 2000-04-28  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 26  
; LENGTH: 955  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-845-416-26

Query Match 100.0%; Score 125; DB 10; Length 955;  
Best Local Similarity 100.0%; Pred. No. 8.2e-28;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60  
DB 955 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 896  
QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGAGTG 120  
DB 895 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGAGTG 836  
QY 121 GCCAA 125  
DB 835 GCCAA 831

RESULT 17  
US-09-845-416-33  
; Sequence 33, Application US/09845416



```
Db 4294 GCCAA 4290

RESULT 21
US-09-845-416-31
; Sequence 31, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 31
; LENGTH: 4476
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-31

Query Match 100.0%; Score 125; DB 10; Length 4476;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCGCGGGCTCAGTGAGCGGAGCGGCGAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCGCGGGCTCAGTGAGCGGAGCGGCGAGAGGGAGTG 120

QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 22
US-09-845-416-31/c
; Sequence 31, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 31
; LENGTH: 4476
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-31

Query Match 100.0%; Score 125; DB 10; Length 4476;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60
DB 4476 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 4417

QY 61 CGACGCCCGGGCTTTGCGCGGGCTCAGTGAGCGGAGCGGCGAGAGGGAGTG 120
DB 4416 CGACGCCCGGGCTTTGCGCGGGCTCAGTGAGCGGAGCGGCGAGAGGGAGTG 4357
```

```
QY 121 GCCAA 125
DB 4356 GCCAA 4352

RESULT 23
US-09-845-416-30
; Sequence 30, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 30
; LENGTH: 4498
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-30

Query Match 100.0%; Score 125; DB 10; Length 4498;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCGCGGGCTCAGTGAGCGGAGCGGCGAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCGCGGGCTCAGTGAGCGGAGCGGCGAGAGGGAGTG 120

QY 121 GCCAA 125
DB 121 GCCAA 125
```

```
RESULT 24
US-09-845-416-30/c
; Sequence 30, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 30
; LENGTH: 4498
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-30

Query Match 100.0%; Score 125; DB 10; Length 4498;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60
DB 4498 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 4439
```

QY 61 CGACGCCCGGGCTTTGCGCGCGCCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120  
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
4438 CGACGCCCGGGCTTTGCGCGCGCCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 4379  
QY 121 GCCAA 125  
Db |||||  
4378 GCCAA 4374

RESULT 25  
US-09-782-378A-1  
; Sequence 1, Application US/09782378A  
; Patent No. US20020102731A1  
; GENERAL INFORMATION:  
; APPLICANT: Hearing, Patrick  
; APPLICANT: Bahou, Wadie  
; APPLICANT: Sandalon, Ziv  
; APPLICANT: Gnatenko, Dmitri  
; TITLE OF INVENTION: Adenoviral Vectors  
; FILE REFERENCE: STONYB-04970  
; CURRENT APPLICATION NUMBER: US/09/782,378A  
; CURRENT FILING DATE: 2001-02-12  
; PRIOR APPLICATION NUMBER: 60/237,747  
; PRIOR FILING DATE: 2000-10-02  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1  
; LENGTH: 4675  
; TYPE: DNA  
; ORGANISM: Human adeno-associated virus 2  
US-09-782-378A-1

Query Match 100.0%; Score 125; DB 9; Length 4675;  
Best Local Similarity 100.0%; Pred. No. 5.8e-28;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGCGACCAAGGTCGCC 60  
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
QY 61 CGACGCCCGGGCTTTGCGCGCGCCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120  
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
QY 61 CGACGCCCGGGCTTTGCGCGCGCCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120  
QY 121 GCCAA 125  
Db |||||  
121 GCCAA 125

RESULT 26  
US-09-782-378A-2  
; Sequence 2, Application US/09782378A  
; Patent No. US20020102731A1  
; GENERAL INFORMATION:  
; APPLICANT: Hearing, Patrick  
; APPLICANT: Bahou, Wadie  
; APPLICANT: Sandalon, Ziv  
; APPLICANT: Gnatenko, Dmitri  
; TITLE OF INVENTION: Adenoviral Vectors  
; FILE REFERENCE: STONYB-04970  
; CURRENT APPLICATION NUMBER: US/09/782,378A  
; CURRENT FILING DATE: 2001-02-12  
; PRIOR APPLICATION NUMBER: 60/237,747  
; PRIOR FILING DATE: 2000-10-02  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 2  
; LENGTH: 4675  
; TYPE: DNA  
; ORGANISM: Human adeno-associated virus 2  
US-09-782-378A-2

Query Match 100.0%; Score 125; DB 9; Length 4675;

Best Local Similarity 100.0%; Pred. No. 5.8e-28;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGCGACCAAGGTCGCC 60  
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGCGACCAAGGTCGCC 60  
QY 61 CGACGCCCGGGCTTTGCGCGCGCCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120  
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
61 CGACGCCCGGGCTTTGCGCGCGCCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120  
QY 121 GCCAA 125  
Db |||||  
121 GCCAA 125

RESULT 27  
US-10-240-198-1  
; Sequence 1, Application US/10240198  
; Publication No. US20030100115A1  
; GENERAL INFORMATION:  
; APPLICANT: BTG International Ltd  
; APPLICANT: BEARD DR, PETER  
; APPLICANT: RAJ DR, KENNETH  
; TITLE OF INVENTION: CYTOTOXIC AGENTS  
; FILE REFERENCE: 142184W0  
; CURRENT APPLICATION NUMBER: US/10/240,198  
; CURRENT FILING DATE: 2002-09-30  
; PRIOR APPLICATION NUMBER: 0009887.1  
; PRIOR FILING DATE: 2000-04-20  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 4675  
; TYPE: DNA  
; ORGANISM: adeno-associated virus 2  
US-10-240-198-1

Query Match 100.0%; Score 125; DB 15; Length 4675;  
Best Local Similarity 100.0%; Pred. No. 5.8e-28;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGCGACCAAGGTCGCC 60  
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGCGACCAAGGTCGCC 60  
QY 61 CGACGCCCGGGCTTTGCGCGCGCCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120  
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
61 CGACGCCCGGGCTTTGCGCGCGCCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120  
QY 121 GCCAA 125  
Db |||||  
121 GCCAA 125

RESULT 28  
US-10-291-583-7  
; Sequence 7, Application US/10291583  
; Publication No. US20030138772A1  
; GENERAL INFORMATION:  
; APPLICANT: Gao, Guangping  
; APPLICANT: Wilson, James M.  
; APPLICANT: Alvira, Mauricio  
; TITLE OF INVENTION: A Method of Detecting and/or Identifying Adeno-Associated Virus  
; FILE REFERENCE: UPN-02735USA  
; CURRENT APPLICATION NUMBER: US/10/291,583  
; CURRENT FILING DATE: 2002-11-12  
; PRIOR APPLICATION NUMBER: US 60/350,607  
; PRIOR FILING DATE: 2001-11-13  
; PRIOR APPLICATION NUMBER: US 60/341,117  
; PRIOR FILING DATE: 2001-12-17  
; PRIOR APPLICATION NUMBER: US 60/377,066

```
; PRIOR FILING DATE: 2002-05-01
; PRIOR APPLICATION NUMBER: US 60/386,675
; PRIOR FILING DATE: 2002-06-05
; NUMBER OF SEQ ID NOS: 120
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 4675
; TYPE: DNA
; ORGANISM: adeno-associated virus serotype 2
US-10-291-583-7

Query Match          100.0%; Score 125; DB 15; Length 4675;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCGCAGAGGGAGTG 120

QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 29
US-10-427-129-2
; Sequence 2, Application US/10427129
; Publication No. US20040101514A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Yuhong
; APPLICANT: Luo, Jia
; APPLICANT: DURING, Matthew
; TITLE OF INVENTION: High Transgene Expression of A Pseudotyped Adeno-Associated Virus
; FILE REFERENCE: 102182-24
; CURRENT APPLICATION NUMBER: US/10/427,129
; CURRENT FILING DATE: 2003-05-01
; PRIOR APPLICATION NUMBER: 09/804,898
; PRIOR FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: 60/189,110
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 4675
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-10-427-129-2

Query Match          100.0%; Score 125; DB 19; Length 4675;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCGCAGAGGGAGTG 120

QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 30
US-09-804-898-1
; Sequence 1, Application US/09804898
; Patent No. US20020045264A1
```

```
; GENERAL INFORMATION:
; APPLICANT: DURING, MATTHEW
; APPLICANT: XIAO, WEIDONG
; TITLE OF INVENTION: PRODUCTION OF CHIMERIC CAPSID VECTORS
; FILE REFERENCE: 102182-14
; CURRENT APPLICATION NUMBER: US/09/804,898
; CURRENT FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: 60/189,110
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 4679
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-09-804-898-1

Query Match          100.0%; Score 125; DB 9; Length 4679;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120

QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 31
US-09-945-681-10
; Sequence 10, Application US/09945681
; Patent No. US20020064878A1
; GENERAL INFORMATION:
; APPLICANT: UNIVERSITE DE NANTES
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR RECOMBINANT
; TITLE OF INVENTION: ADENO-ASSOCIATED VIRUS PRODUCTION
; FILE REFERENCE: B4182AA - UNIVERSITE DE NANTES
; CURRENT APPLICATION NUMBER: US/09/945,681
; CURRENT FILING DATE: 2001-09-05
; PRIOR APPLICATION NUMBER: PCT/EP 00/01854
; PRIOR FILING DATE: 2000-03-05
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 4679
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-09-945-681-10

Query Match          100.0%; Score 125; DB 9; Length 4679;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120

QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 32
```







```
;
; FILING DATE: 04-Jun-2002
; APPLICATION NUMBER: 09/292,703
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: NO. US20030147912Aland, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 31975
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; TELEFAX: (312) 474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4680 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-375-777-1

Query Match 100.0%; Score 125; DB 15; Length 4680;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60

Qy 61 CGAGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGCGGAGGAGGAGTG 120
Db 61 CGAGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGCGGAGGAGGAGTG 120

Qy 121 GCCAA 125
Db 121 GCCAA 125

RESULT 38
US-10-696-261-18
; Sequence 18, Application US/10696261
; Publication No. US20040057931A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; APPLICANT: Xiao, Weidong
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
; FILE REFERENCE: GNPVN.031USA
; CURRENT APPLICATION NUMBER: US/10/696,261
; CURRENT FILING DATE: 2003-10-29
; PRIOR APPLICATION NUMBER: US/09/807,802A
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: US 60/107,114
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: PCT/US99/25694
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 4681
; TYPE: DNA
; ORGANISM: AAV-2
US-10-696-261-18

Query Match 100.0%; Score 125; DB 18; Length 4681;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGACCAAGGTCGCC 60

Qy 61 CGAGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGCGGAGGAGGAGTG 120
Db 61 CGAGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGCGGAGGAGGAGTG 120

Qy 121 GCCAA 125
Db 121 GCCAA 125

RESULT 39
US-10-696-282-18
; Sequence 18, Application US/10696282
; Publication No. US20040057932A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; APPLICANT: Xiao, Weidong
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
; FILE REFERENCE: GNPVN.031USA
; CURRENT APPLICATION NUMBER: US/10/696,282
; CURRENT FILING DATE: 2003-10-29
; PRIOR APPLICATION NUMBER: US/09/807,802A
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: US 60/107,114
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: PCT/US99/25694
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 4681
; TYPE: DNA
; ORGANISM: AAV-2
US-10-696-282-18

Query Match 100.0%; Score 125; DB 18; Length 4681;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGACCAAGGTCGCC 60

Qy 61 CGAGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGCGGAGGAGGAGTG 120
Db 61 CGAGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGCGGAGGAGGAGTG 120

Qy 121 GCCAA 125
Db 121 GCCAA 125

RESULT 40
US-10-696-900-18
; Sequence 18, Application US/10696900
; Publication No. US20040057933A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; APPLICANT: Xiao, Weidong
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
; FILE REFERENCE: GNPVN.031USA
; CURRENT APPLICATION NUMBER: US/10/696,900
; CURRENT FILING DATE: 2003-10-30
; PRIOR APPLICATION NUMBER: US/09/807,802A
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: US 60/107,114
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: PCT/US99/25694
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 4681
; TYPE: DNA
; ORGANISM: AAV-2
US-10-696-261-18

Query Match 100.0%; Score 125; DB 18; Length 4681;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGACCAAGGTCGCC 60

Qy 61 CGAGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGCGGAGGAGGAGTG 120
Db 61 CGAGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGCGGAGGAGGAGTG 120

Qy 121 GCCAA 125
Db 121 GCCAA 125
```

```
; TYPE: DNA
; ORGANISM: AAV-2
US-10-696-900-18

Query Match      100.0%; Score 125; DB 18; Length 4681;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAAGCGAGCGCGGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAAGCGAGCGCGGAGAGGGAGTG 120

QY 121 GCCAA 125
Db 121 GCCAA 125

RESULT 41
US-10-696-261-19
; Sequence 19, Application US/10696261
; Publication No. US20040057931A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
; TITLE OF INVENTION: Vectors and Host Cells Containing Same
; FILE REFERENCE: GNPVN.031USA
; CURRENT APPLICATION NUMBER: US/10/696,261
; PRIOR FILING DATE: 2003-10-29
; PRIOR APPLICATION NUMBER: US/09/807,802A
; PRIOR FILING DATE: 2002-02-21
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: PCT/US99/25694
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: AAV-6
US-10-696-261-19

Query Match      100.0%; Score 125; DB 18; Length 4683;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAAGCGAGCGCGGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAAGCGAGCGCGGAGAGGGAGTG 120

QY 121 GCCAA 125
Db 121 GCCAA 125

RESULT 42
US-10-696-282-19
; Sequence 19, Application US/10696282
; Publication No. US20040057932A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
; TITLE OF INVENTION: Vectors and Host Cells Containing Same
```

```
; FILE REFERENCE: GNPVN.031USA
; CURRENT APPLICATION NUMBER: US/10/696,282
; CURRENT FILING DATE: 2003-10-29
; PRIOR APPLICATION NUMBER: US/09/807,802A
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: US 60/107,114
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: PCT/US99/25694
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: AAV-6
US-10-696-282-19

Query Match      100.0%; Score 125; DB 18; Length 4683;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAAGCGAGCGCGGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAAGCGAGCGCGGAGAGGGAGTG 120

QY 121 GCCAA 125
Db 121 GCCAA 125

RESULT 43
US-10-696-900-19
; Sequence 19, Application US/10696900
; Publication No. US20040057933A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; APPLICANT: Xiao, Weidong
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
; TITLE OF INVENTION: Vectors and Host Cells Containing Same
; FILE REFERENCE: GNPVN.031USA
; CURRENT APPLICATION NUMBER: US/10/696,900
; CURRENT FILING DATE: 2003-10-30
; PRIOR APPLICATION NUMBER: US/09/807,802A
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: US 60/107,114
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: PCT/US99/25694
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: AAV-6
US-10-696-900-19

Query Match      100.0%; Score 125; DB 18; Length 4683;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAAGCGAGCGCGGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAAGCGAGCGCGGAGAGGGAGTG 120

QY 121 GCCAA 125
```

```
Db      121 GCCAA 125
|||||
1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
|||||
1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
|||||
61 CGACGCCCGGGCTTTGCCCCGGCGGCTCTCACTGAGCGAGCGCGCGAGAGGAGTG 120
|||||
61 CGACGCCCGGGCTTTGCCCCGGCGGCTCTCACTGAGCGAGCGCGCGAGAGGAGTG 120
|||||
121 GCCAA 125
|||||
121 GCCAA 125

RESULT 46
US-09-845-416-29
; Sequence 29, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 4825
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-845-416-29

Query Match      100.0%; Score 125; DB 10; Length 4825;
Best Local Similarity 100.0%; Pred. No. 5.7e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
Db      1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
|||||
61 CGACGCCCGGGCTTTGCCCCGGCGGCTCTCACTGAGCGAGCGCGCGAGAGGAGTG 120
|||||
61 CGACGCCCGGGCTTTGCCCCGGCGGCTCTCACTGAGCGAGCGCGCGAGAGGAGTG 120
|||||
121 GCCAA 125
|||||
121 GCCAA 125

RESULT 47
US-09-845-416-29/c
; Sequence 29, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 4825
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-845-416-29

Query Match      100.0%; Score 125; DB 10; Length 4825;
Best Local Similarity 100.0%; Pred. No. 5.7e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
Db      1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
|||||
61 CGACGCCCGGGCTTTGCCCCGGCGGCTCTCACTGAGCGAGCGCGCGAGAGGAGTG 120
|||||
61 CGACGCCCGGGCTTTGCCCCGGCGGCTCTCACTGAGCGAGCGCGCGAGAGGAGTG 120
|||||
121 GCCAA 125
|||||
121 GCCAA 125

US-10-427-129-6
; Sequence 6, Application US/10427129
; Publication No. US20040101514A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Yuhong
; APPLICANT: Luo, Jia
; APPLICANT: Durning, Matthew
; TITLE OF INVENTION: High Transgene Expression of A Pseudotyped Adeno-Associated Virus
; FILE REFERENCE: 102182-24
; CURRENT APPLICATION NUMBER: US/10/427,129
; CURRENT FILING DATE: 2003-05-01
; PRIOR FILING DATE: 09/804,898
; PRIOR FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: 60/189,110
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
; US-10-427-129-6

Query Match      100.0%; Score 125; DB 19; Length 4683;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
Db      1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
|||||
61 CGACGCCCGGGCTTTGCCCCGGCGGCTCTCACTGAGCGAGCGCGCGAGAGGAGTG 120
|||||
61 CGACGCCCGGGCTTTGCCCCGGCGGCTCTCACTGAGCGAGCGCGCGAGAGGAGTG 120
|||||
121 GCCAA 125
|||||
121 GCCAA 125

RESULT 45
US-10-959-017-2
; Sequence 2, Application US/10959017
; Publication No. US20050106125A1
; GENERAL INFORMATION:
; APPLICANT: FALCK-PEDERSEN, ERIK S
; APPLICANT: PHILPOTT, NICOLA
; TITLE OF INVENTION: USE OF AAV INTEGRATION EFFICIENCY ELEMENT FOR MEDIATING
; FILE REFERENCE: 230526
; CURRENT APPLICATION NUMBER: US/10/959,017
; CURRENT FILING DATE: 2004-10-05
; PRIOR FILING DATE: PCT/US03/11191
; PRIOR FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US 60/371,044
; PRIOR FILING DATE: 2002-04-09
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: adeno-associated virus serotype 6
; US-10-959-017-2

Query Match      100.0%; Score 125; DB 21; Length 4683;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Best Local Similarity 100.0%; Score 125; DB 10; Length 4848;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60  
Db 4825 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 4766

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120  
Db 4765 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 4706

QY 121 GCCAA 125  
Db 4705 GCCAA 4701

RESULT 48  
US-09-845-416-35/c  
; Sequence 35, Application US/09845416  
; Publication No. US20030171312A1  
; GENERAL INFORMATION:  
; APPLICANT: XIAO, XIAO  
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
; FILE REFERENCE: DE1142  
; CURRENT APPLICATION NUMBER: US/09/845,416  
; PRIOR FILING DATE: 2001-04-30  
; PRIOR APPLICATION NUMBER: 60/200,777  
; PRIOR FILING DATE: 2000-04-28  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 35  
; LENGTH: 4848  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-845-416-35

Query Match 100.0%; Score 125; DB 10; Length 4848;  
Best Local Similarity 100.0%; Pred. No. 5.7e-28;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60  
Db 4848 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 4789

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 120  
Db 4788 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 4729

QY 121 GCCAA 125  
Db 4728 GCCAA 4724

RESULT 49  
US-09-845-416-28  
; Sequence 28, Application US/09845416  
; Publication No. US20030171312A1  
; GENERAL INFORMATION:  
; APPLICANT: XIAO, XIAO  
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
; FILE REFERENCE: DE1142  
; CURRENT APPLICATION NUMBER: US/09/845,416  
; PRIOR FILING DATE: 2001-04-30  
; PRIOR APPLICATION NUMBER: 60/200,777  
; PRIOR FILING DATE: 2000-04-28  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 28  
; LENGTH: 4966  
; TYPE: DNA  
; ORGANISM: Homo sapiens

US-09-845-416-28  
Query Match 100.0%; Score 125; DB 10; Length 4966;  
Best Local Similarity 100.0%; Pred. No. 5.7e-28;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60  
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 120  
Db 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120

QY 121 GCCAA 125  
Db 121 GCCAA 125

RESULT 50  
US-09-845-416-28/c  
; Sequence 28, Application US/09845416  
; Publication No. US20030171312A1  
; GENERAL INFORMATION:  
; APPLICANT: XIAO, XIAO  
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
; FILE REFERENCE: DE1142  
; CURRENT APPLICATION NUMBER: US/09/845,416  
; CURRENT FILING DATE: 2001-04-30  
; PRIOR APPLICATION NUMBER: 60/200,777  
; PRIOR FILING DATE: 2000-04-28  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 28  
; LENGTH: 4966  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-845-416-28

Query Match 100.0%; Score 125; DB 10; Length 4966;  
Best Local Similarity 100.0%; Pred. No. 5.7e-28;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60  
Db 4966 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 4907

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 120  
Db 4906 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 4847

QY 121 GCCAA 125  
Db 4846 GCCAA 4842

RESULT 51  
US-09-845-416-34  
; Sequence 34, Application US/09845416  
; Publication No. US20030171312A1  
; GENERAL INFORMATION:  
; APPLICANT: XIAO, XIAO  
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
; FILE REFERENCE: DE1142  
; CURRENT APPLICATION NUMBER: US/09/845,416  
; CURRENT FILING DATE: 2001-04-30  
; PRIOR APPLICATION NUMBER: 60/200,777  
; PRIOR FILING DATE: 2000-04-28  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 34

```
; LENGTH: 4990
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-34

Query Match      100.0%; Score 125; DB 10; Length 4990;
Best Local Similarity 100.0%; Pred. No. 5.7e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAAGGTGCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAAGGTGCGCC 60

Qy 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGGCGGCGGACGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGGCGGCGGACGAGAGGGAGTG 120

Qy 121 GCCAA 125
Db 121 GCCAA 125
```

```
RESULT 52
US-09-845-416-34/c
; Sequence 34, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 34
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-34
```

```
Query Match      100.0%; Score 125; DB 10; Length 4990;
Best Local Similarity 100.0%; Pred. No. 5.7e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAAGGTGCGCC 60
Db 4990 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAAGGTGCGCC 4931

Qy 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGGCGGCGGACGAGAGGGAGTG 120
Db 4930 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGGCGGCGGACGAGAGGGAGTG 4871

Qy 121 GCCAA 125
Db 4870 GCCAA 4866
```

```
RESULT 53
US-09-845-416-36
; Sequence 36, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
```

```
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 36
; LENGTH: 5060
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-36

Query Match      100.0%; Score 125; DB 10; Length 5060;
Best Local Similarity 100.0%; Pred. No. 5.7e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAAGGTGCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAAGGTGCGCC 60

Qy 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGGCGGCGGACGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGGCGGCGGACGAGAGGGAGTG 120

Qy 121 GCCAA 125
Db 121 GCCAA 125
```

```
RESULT 54
US-09-845-416-36/c
; Sequence 36, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 36
; LENGTH: 5060
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-36
```

```
Query Match      100.0%; Score 125; DB 10; Length 5060;
Best Local Similarity 100.0%; Pred. No. 5.7e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAAGGTGCGCC 60
Db 5060 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAAGGTGCGCC 5001

Qy 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGGCGGCGGACGAGAGGGAGTG 120
Db 5000 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGGCGGCGGACGAGAGGGAGTG 4941

Qy 121 GCCAA 125
Db 4940 GCCAA 4936
```

```
RESULT 55
US-09-845-416-27
; Sequence 27, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
```



```
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 27
; LENGTH: 5149
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-27

Query Match      100.0%; Score 125; DB 10; Length 5149;
Best Local Similarity 100.0%; Pred. No. 5.7e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGCGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCCGGCGCTCAGTGAGCGAGCGCGCGCGAGAGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCCGGCGCTCAGTGAGCGAGCGAGCGCGCGAGAGGAGTG 120

QY 121 GCCAA 125
Db 121 GCCAA 125

RESULT 56
US-09-845-416-27/c
; Sequence 27, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 27
; LENGTH: 5149
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-27

Query Match      100.0%; Score 125; DB 10; Length 5149;
Best Local Similarity 100.0%; Pred. No. 5.7e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGCGACCAAGGTCGCC 60
Db 5149 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGCGACCAAGGTCGCC 5090

QY 61 CGACGCCCGGGCTTTGCCCCGGCGCTCAGTGAGCGAGCGAGCGCGCGAGAGGAGTG 120
Db 5089 CGACGCCCGGGCTTTGCCCCGGCGCTCAGTGAGCGAGCGAGCGCGCGAGAGGAGTG 5030

QY 121 GCCAA 125
Db 5029 GCCAA 5025

RESULT 57
US-10-267-117-4
; Sequence 4, Application US/10267117
; Publication No. US20030082162A1
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
```

```
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/10/267,117
; CURRENT FILING DATE: 2002-10-08
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-10-267-117-4

Query Match      100.0%; Score 125; DB 14; Length 5932;
Best Local Similarity 100.0%; Pred. No. 5.5e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
Db 18 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 77

QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGAGCGAGAGGAGTG 120
Db 78 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGAGCGAGAGGAGTG 137

QY 121 GCCAA 125
Db 138 GCCAA 142

RESULT 58
US-10-267-117-4/c
; Sequence 4, Application US/10267117
; Publication No. US20030082162A1
; GENERAL INFORMATION:
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/10/267,117
; CURRENT FILING DATE: 2002-10-08
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-10-267-117-4

Query Match      100.0%; Score 125; DB 14; Length 5932;
Best Local Similarity 100.0%; Pred. No. 5.5e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
Db 3078 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 3019

QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGAGCGAGAGGAGTG 120
```

Db 3018 CGACGCCGGGCTTTGCCCGGCGCCTCAGTGACGAGCGAGCGCGCAGAGGGAGTG 2959  
QY 121 GCCAA 125  
Db 2958 GCCAA 2954

RESULT 59  
US-10-340-112-4  
; Sequence 4, Application US/10340112  
; Publication No. US20030095949A1  
; GENERAL INFORMATION:  
; APPLICANT: FLOTTE, TERENCE R.  
; APPLICANT: SONG, SIHONG  
; APPLICANT: BYRNE, BARRY J.  
; APPLICANT: MORGAN, MICHAEL  
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
; FILE REFERENCE: 4300-011800  
; CURRENT APPLICATION NUMBER: US/10/340,112  
; PRIOR FILING DATE: 2003-01-10  
; PRIOR APPLICATION NUMBER: US/09/299,141  
; PRIOR FILING DATE: 1999-04-23  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025  
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 4  
; LENGTH: 5932  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT  
US-10-340-112-4

Query Match 100.0%; Score 125; DB 14; Length 5932;  
Best Local Similarity 100.0%; Pred. No. 5.5e-28;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGCGACCAAGGTCGCC 60  
Db 18 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGCGACCAAGGTCGCC 77  
QY 61 CGACGCCGGGCTTTGCCCGGCGCCTCAGTGACGAGCGCGCGCAGAGGGAGTG 120  
Db 78 CGACGCCGGGCTTTGCCCGGCGCCTCAGTGACGAGCGCGCGCAGAGGGAGTG 137  
QY 121 GCCAA 125  
Db 138 GCCAA 142

RESULT 60  
US-10-340-112-4/c  
; Sequence 4, Application US/10340112  
; Publication No. US20030095949A1  
; GENERAL INFORMATION:  
; APPLICANT: FLOTTE, TERENCE R.  
; APPLICANT: SONG, SIHONG  
; APPLICANT: BYRNE, BARRY J.  
; APPLICANT: MORGAN, MICHAEL  
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
; FILE REFERENCE: 4300-011800  
; CURRENT APPLICATION NUMBER: US/10/340,112  
; PRIOR FILING DATE: 2003-01-10  
; PRIOR APPLICATION NUMBER: US/09/299,141  
; PRIOR FILING DATE: 1999-04-23  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025  
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 4  
; LENGTH: 5932

; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT  
US-10-340-112-4  
Query Match 100.0%; Score 125; DB 14; Length 5932;  
Best Local Similarity 100.0%; Pred. No. 5.5e-28;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGCGACCAAGGTCGCC 60  
Db 3078 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGCGACCAAGGTCGCC 3019  
QY 61 CGACGCCGGGCTTTGCCCGGCGCCTCAGTGACGAGCGCGCGCAGAGGGAGTG 120  
Db 3018 CGACGCCGGGCTTTGCCCGGCGCCTCAGTGACGAGCGCGCGCAGAGGGAGTG 2959  
QY 121 GCCAA 125  
Db 2958 GCCAA 2954

Search completed: July 5, 2005, 13:25:29  
Job time : 421.444 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 10:51:06 ; Search time 90.2778 Seconds  
(without alignments)  
2265.614 Million cell updates/sec

Title: US-10-620-039-1\_COPY\_1\_125

Perfect score: 125

Sequence: 1 TTGGGCACCTCTCTCTGCG.....CGCAGAGGGAGTGCCCAA 125

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 300 summaries

Database : Issued Patents NA:\*

1: /cgn2\_6/ptodata/1/ina/5A COMB.seq:\*

2: /cgn2\_6/ptodata/1/ina/5B COMB.seq:\*

3: /cgn2\_6/ptodata/1/ina/6A COMB.seq:\*

4: /cgn2\_6/ptodata/1/ina/6B COMB.seq:\*

5: /cgn2\_6/ptodata/1/ina/PTUS COMB.seq:\*

6: /cgn2\_6/ptodata/1/ina/backfileseq1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	125	100.0	145	1	US-07-789-917A-1
2	125	100.0	145	3	US-08-702-573-4
3	125	100.0	145	3	US-08-525-866-1
4	125	100.0	145	3	US-07-982-193-1
5	125	100.0	165	1	US-07-989-841A-1
6	125	100.0	165	2	US-08-440-738A-1
7	125	100.0	165	3	US-08-471-914-1
8	125	100.0	165	3	US-09-276-625-7
9	125	100.0	192	3	US-08-702-573-3
10	125	100.0	4680	1	US-08-254-358-1
11	125	100.0	4680	1	US-08-475-391-1
12	125	100.0	4680	2	US-08-709-609-1
13	125	100.0	4680	5	PCT-US95-07178-1
14	125	100.0	4681	4	US-09-807-802A-18
15	125	100.0	4683	4	US-09-807-802A-19
16	125	100.0	5932	3	US-09-299-141-4
17	125	100.0	5932	3	US-09-299-141-7
18	125	100.0	6142	3	US-09-299-141-8
19	125	100.0	6142	3	US-09-299-141-11
20	125	100.0	6253	3	US-08-893-327-15
21	125	100.0	6253	3	US-08-893-327-15
22	125	100.0	6280	3	US-08-893-327-17
23	125	100.0	6280	3	US-08-893-327-17
24	125	100.0	6280	3	US-08-893-327-19
25	125	100.0	6280	3	US-08-893-327-19
26	125	100.0	6565	3	US-09-299-141-1
27	125	100.0	6565	3	US-09-299-141-1

Sequence 6, Appli	US-09-299-141-6	6714	100.0	125	28
Sequence 6, Appli	US-09-299-141-6	6714	100.0	125	29
Sequence 9, Appli	US-09-299-141-9	6924	100.0	125	30
Sequence 9, Appli	US-09-299-141-9	6924	100.0	125	31
Sequence 10, Appli	US-09-299-141-10	6924	100.0	125	32
Sequence 10, Appli	US-09-299-141-10	6924	100.0	125	33
Sequence 11, Appli	US-09-299-141-11	6924	100.0	125	34
Sequence 11, Appli	US-09-299-141-11	6924	100.0	125	35
Sequence 7, Appli	US-09-299-141-7	6981	100.0	125	36
Sequence 7, Appli	US-09-299-141-7	6981	100.0	125	37
Sequence 3, Appli	US-09-299-141-3	7054	100.0	125	38
Sequence 3, Appli	US-09-299-141-3	7054	100.0	125	39
Sequence 2, Appli	US-09-299-141-2	7405	100.0	125	40
Sequence 2, Appli	US-09-299-141-2	7405	100.0	125	41
Sequence 5, Appli	US-09-299-141-5	7492	100.0	125	42
Sequence 5, Appli	US-09-299-141-5	7492	100.0	125	43
Sequence 2, Appli	US-09-299-141-2	8698	100.0	125	44
Sequence 4, Appli	US-09-276-625-4	272	98.7	123.4	45
Sequence 1, Appli	US-09-394-110A-1	174	98.4	123	46
Sequence 1, Appli	US-08-305-221-1	585	97.4	121.8	47
Sequence 1, Appli	US-09-000-003A-1	585	97.4	121.8	48
Sequence 5, Appli	US-08-702-573-5	194	96.6	120.8	49
Sequence 6, Appli	US-07-989-841A-6	145	96.2	120.2	50
Sequence 6, Appli	US-08-440-738A-6	145	96.2	120.2	51
Sequence 6, Appli	US-08-471-914-6	145	96.2	120.2	52
Sequence 6, Appli	US-09-276-625-6	272	94.9	118.6	53
Sequence 2, Appli	US-09-394-110A-2	183	93.6	117	54
Sequence 1, Appli	US-08-910-647-1	9600	89.1	111.4	55
Sequence 1, Appli	US-09-620-925-1	9600	88.8	111	56
Sequence 4, Appli	US-08-308-949A-4	122	88.8	110	57
Sequence 14, Appli	US-09-470-618-14	4999	88.0	110	58
Sequence 14, Appli	US-09-470-618-14	4999	88.0	110	59
Sequence 14, Appli	US-09-364-862-14	4999	88.0	110	60
Sequence 14, Appli	US-09-364-862-14	4999	88.0	110	61
Sequence 2, Appli	US-08-462-014-2	8299	88.0	110	62
Sequence 2, Appli	US-08-462-014-2	8299	88.0	110	63
Sequence 3, Appli	US-08-923-137-3	8299	88.0	110	64
Sequence 3, Appli	US-08-923-137-3	8299	88.0	110	65
Sequence 5, Appli	US-08-973-334-5	8299	88.0	110	66
Sequence 5, Appli	US-08-973-334-5	8299	88.0	110	67
Sequence 5, Appli	US-09-563-869A-5	8299	88.0	110	68
Sequence 5, Appli	US-09-563-869A-5	8299	88.0	110	69
Sequence 1, Appli	US-08-462-014-1	8509	88.0	110	70
Sequence 1, Appli	US-08-462-014-1	8509	88.0	110	71
Sequence 4, Appli	US-08-973-334-4	8509	88.0	110	72
Sequence 4, Appli	US-08-973-334-4	8509	88.0	110	73
Sequence 4, Appli	US-09-563-869A-4	8509	88.0	110	74
Sequence 4, Appli	US-09-563-869A-4	8509	88.0	110	75
Sequence 1, Appli	US-09-528-470-1	8509	88.0	110	76
Sequence 1, Appli	US-09-528-470-1	8509	88.0	110	77
Sequence 1, Appli	US-08-910-647-1	9600	88.0	110	78
Sequence 1, Appli	US-09-620-925-1	9600	88.0	110	79
Sequence 1, Appli	US-08-331-384-1	10398	88.0	110	80
Sequence 1, Appli	US-08-331-384-1	10398	88.0	110	81
Sequence 1, Appli	US-08-708-188-1	10398	88.0	110	82
Sequence 1, Appli	US-08-708-188-1	10398	88.0	110	83
Sequence 1, Appli	US-08-836-087-1	10398	88.0	110	84
Sequence 1, Appli	US-08-836-087-1	10398	88.0	110	85
Sequence 1, Appli	US-09-246-320-1	10398	88.0	110	86
Sequence 1, Appli	US-09-246-320-1	10398	88.0	110	87
Sequence 1, Appli	US-09-242-743-1	10398	88.0	110	88
Sequence 1, Appli	US-09-242-743-1	10398	88.0	110	89
Sequence 1, Appli	US-09-546-738-1	10398	88.0	110	90
Sequence 1, Appli	US-09-546-738-1	10398	88.0	110	91
Sequence 1, Appli	US-09-923-726-1	10398	88.0	110	92
Sequence 1, Appli	US-09-923-726-1	10398	88.0	110	93
Sequence 13, Appli	US-09-470-618-13	11933	88.0	110	94
Sequence 13, Appli	US-09-470-618-13	11933	88.0	110	95
Sequence 13, Appli	US-09-364-862-13	11933	88.0	110	96
Sequence 13, Appli	US-09-364-862-13	11933	88.0	110	97
Sequence 3, Appli	US-09-276-625-3	505	86.7	108.4	98
Sequence 3, Appli	US-09-276-625-3	505	86.7	108.4	99
Sequence 2, Appli	US-08-702-573-2	174	86.4	108	100

101	108	86.4	7015	3	US-09-770-315-1	Sequence 1, Appl	174	35	28.0	1926	1	US-08-147-023-26	Sequence 26, Appl
c 102	108	86.4	7015	3	US-09-770-315-1	Sequence 1, Appl	175	35	28.0	1926	1	US-08-278-729A-22	Sequence 22, Appl
c 103	108	86.4	7557	3	US-09-770-315-3	Sequence 3, Appl	176	35	28.0	1926	1	US-08-480-528A-9	Sequence 9, Appl
c 104	108	86.4	7557	3	US-09-770-315-3	Sequence 3, Appl	177	35	28.0	1926	1	US-08-479-666-9	Sequence 9, Appl
c 105	104.2	89.5	272	3	US-09-276-625-6	Sequence 6, Appl	178	35	28.0	1926	1	US-08-155-643A-22	Sequence 22, Appl
c 106	99.4	73.4	272	3	US-09-276-625-6	Sequence 4, Appl	179	35	28.0	1926	1	US-08-406-672-22	Sequence 22, Appl
c 107	97.8	78.2	145	1	US-07-789-917A-1	Sequence 1, Appl	180	35	28.0	1926	1	US-08-643-563A-22	Sequence 22, Appl
c 108	97.8	78.2	145	1	US-08-702-573-4	Sequence 4, Appl	181	35	28.0	1926	1	US-08-447-570-26	Sequence 26, Appl
c 109	97.8	78.2	145	3	US-08-525-866-1	Sequence 1, Appl	182	35	28.0	1926	1	US-08-643-763A-22	Sequence 22, Appl
c 110	97.8	78.2	145	3	US-07-982-193-1	Sequence 1, Appl	183	35	28.0	1926	1	US-08-462-623-22	Sequence 22, Appl
c 111	97.8	78.2	165	1	US-07-989-841A-1	Sequence 1, Appl	184	35	28.0	1926	1	US-08-451-953A-22	Sequence 22, Appl
c 112	97.8	78.2	165	3	US-08-440-739A-1	Sequence 1, Appl	185	35	28.0	1926	2	US-08-459-346-7	Sequence 7, Appl
c 113	97.8	78.2	165	3	US-08-471-914-1	Sequence 1, Appl	186	35	28.0	1926	2	US-08-445-468A-22	Sequence 22, Appl
c 114	97.8	78.2	165	3	US-09-276-625-7	Sequence 7, Appl	187	35	28.0	1926	2	US-08-901-200A-9	Sequence 9, Appl
c 115	97.8	78.2	192	3	US-08-702-573-3	Sequence 3, Appl	188	35	28.0	1926	2	US-08-449-700-26	Sequence 26, Appl
c 116	97.8	78.2	4680	1	US-08-254-359-1	Sequence 1, Appl	189	35	28.0	1926	2	US-08-449-699A-26	Sequence 26, Appl
c 117	97.8	78.2	4680	1	US-08-475-391-1	Sequence 1, Appl	190	35	28.0	1926	2	US-08-461-397A-22	Sequence 22, Appl
c 118	97.8	78.2	4680	1	US-08-709-609-1	Sequence 1, Appl	191	35	28.0	1926	2	US-08-912-088-22	Sequence 22, Appl
c 119	97.8	78.2	4680	5	PCT-US95-07178-1	Sequence 1, Appl	192	35	28.0	1926	3	US-08-278-730A-22	Sequence 22, Appl
c 120	97.8	78.2	4681	4	US-09-807-802A-18	Sequence 18, Appl	193	35	28.0	1926	3	US-08-889-419-7	Sequence 7, Appl
c 121	97.8	78.2	4683	4	US-09-807-802A-19	Sequence 19, Appl	194	35	28.0	1926	3	US-08-445-467-22	Sequence 22, Appl
c 122	97.8	78.2	8698	3	US-09-770-315-2	Sequence 2, Appl	195	35	28.0	1926	3	US-08-480-515A-22	Sequence 22, Appl
c 123	95.8	76.6	174	3	US-09-394-110A-1	Sequence 1, Appl	196	35	28.0	1926	3	US-09-219-391-9	Sequence 9, Appl
c 124	94.6	75.7	5585	2	US-08-305-221-1	Sequence 1, Appl	197	35	28.0	1926	3	US-08-170-936-22	Sequence 22, Appl
c 125	94.6	75.7	5585	4	US-09-000-003A-1	Sequence 1, Appl	198	35	28.0	1926	3	US-08-402-542-7	Sequence 7, Appl
c 126	94.4	75.5	300	3	US-09-276-625-5	Sequence 5, Appl	199	35	28.0	1926	3	US-08-461-113-22	Sequence 22, Appl
c 127	93.6	74.9	194	3	US-08-702-573-5	Sequence 5, Appl	200	35	28.0	1926	4	US-08-456-033-22	Sequence 22, Appl
c 128	93	74.4	145	1	US-07-989-841A-6	Sequence 6, Appl	201	35	28.0	1926	4	US-08-643-321-21	Sequence 21, Appl
c 129	93	74.4	145	2	US-08-440-738A-6	Sequence 6, Appl	202	35	28.0	1926	4	US-09-148-925C-26	Sequence 26, Appl
c 130	93	74.4	145	3	US-08-471-914-6	Sequence 6, Appl	203	35	28.0	1926	4	US-08-957-425-26	Sequence 26, Appl
c 131	91.4	73.1	125	3	US-09-532-594B-6	Sequence 6, Appl	204	35	28.0	1926	4	US-08-260-675-22	Sequence 22, Appl
c 132	91.4	73.1	4718	4	US-09-807-802A-1	Sequence 1, Appl	205	35	28.0	1926	5	PCT-US92-01968-22	Sequence 22, Appl
c 133	91.4	73.1	4767	3	US-09-532-594B-1	Sequence 2, Appl	206	35	28.0	1926	5	PCT-US93-05446-12	Sequence 12, Appl
c 134	89.8	71.8	183	3	US-09-394-110A-2	Sequence 2, Appl	207	35	28.0	1926	5	PCT-US93-07189-7	Sequence 7, Appl
c 135	85	68.0	345	3	US-09-276-625-9	Sequence 9, Appl	208	35	28.0	1926	5	PCT-US93-07190-22	Sequence 22, Appl
c 136	83.8	67.0	121	1	US-08-308-949A-4	Sequence 4, Appl	209	35	28.0	1926	5	PCT-US93-07231-22	Sequence 22, Appl
c 137	83.4	66.7	472	4	US-09-807-802A-1	Sequence 1, Appl	210	35	28.0	1926	5	PCT-US93-08742-22	Sequence 22, Appl
c 138	83.4	66.7	7744	4	US-10-216-870-14	Sequence 14, Appl	211	35	28.0	1926	5	PCT-US93-08808-22	Sequence 22, Appl
c 139	80.8	64.6	174	3	US-08-702-573-2	Sequence 2, Appl	212	35	28.0	1926	5	PCT-US93-08885-22	Sequence 22, Appl
c 140	77	61.6	125	3	US-09-532-594B-6	Sequence 6, Appl	213	35	28.0	1926	5	PCT-US93-10520-9	Sequence 9, Appl
c 141	77	61.6	4767	3	US-09-532-594B-1	Sequence 1, Appl	c 214	34.6	26.7	123	3	US-08-471-914-9	Sequence 9, Appl
c 142	72.6	58.1	149	3	US-08-471-914-13	Sequence 13, Appl	215	33.4	26.7	113	3	US-08-471-914-12	Sequence 12, Appl
c 143	70.6	56.5	345	3	US-09-276-625-9	Sequence 9, Appl	c 216	33.4	26.7	113	3	US-08-949-016-25354	Sequence 25354, A
c 144	69	55.2	7744	4	US-10-216-870-14	Sequence 14, Appl	217	33	26.4	601	4	US-09-949-016-25355	Sequence 25355, A
c 145	68	54.4	135	3	US-08-702-573-1	Sequence 1, Appl	218	33	26.4	601	4	US-09-949-016-16757	Sequence 16757, A
c 146	67.2	53.8	300	3	US-09-276-625-5	Sequence 5, Appl	219	33	26.4	601	4	US-09-949-016-16758	Sequence 16758, A
c 147	67	53.6	73	3	US-08-702-573-6	Sequence 6, Appl	220	33	26.4	601	4	US-09-949-016-16755	Sequence 16755, A
c 148	67	53.6	73	3	US-08-702-573-7	Sequence 7, Appl	c 221	33	26.4	104475	4	US-09-949-016-13793	Sequence 13793, A
c 149	64.4	51.5	129	3	US-09-532-594B-20	Sequence 20, Appl	c 222	33	26.4	111282	3	US-09-949-016-12115	Sequence 12115, A
c 150	56.6	45.3	129	3	US-09-532-594B-20	Sequence 20, Appl	c 223	33	26.2	28709	4	US-09-754-250-3	Sequence 3, Appl
c 151	54.8	43.8	120	1	US-08-308-949A-3	Sequence 3, Appl	224	32.8	26.2	28709	4	US-09-949-016-17520	Sequence 17520, A
c 152	52.6	42.1	149	3	US-08-471-914-13	Sequence 13, Appl	225	32.6	26.1	48	3	US-08-702-573-9	Sequence 9, Appl
c 153	50.6	40.5	73	3	US-08-702-573-6	Sequence 6, Appl	c 226	32.4	25.9	423	4	US-09-621-976-9156	Sequence 9156, Ap
c 154	50.6	40.5	73	3	US-08-702-573-7	Sequence 7, Appl	227	31.8	25.4	35678	4	US-09-949-016-12786	Sequence 12786, A
c 155	50.6	40.5	135	3	US-08-702-573-1	Sequence 1, Appl	228	31.8	25.4	35678	4	US-09-949-016-16757	Sequence 16757, A
c 156	48.6	38.9	316	3	US-09-276-625-11	Sequence 11, Appl	229	31.8	25.4	35678	4	US-09-949-016-16758	Sequence 16758, A
c 157	47.6	38.1	310	3	US-09-276-625-13	Sequence 13, Appl	230	31.8	25.4	5361	4	US-09-949-016-16755	Sequence 16755, A
c 158	47	37.6	48	3	US-08-702-573-9	Sequence 9, Appl	231	31.8	25.4	5361	4	US-09-949-016-16756	Sequence 16756, A
c 159	43.8	35.0	139	3	US-08-471-914-8	Sequence 8, Appl	232	31.8	25.4	59065	3	US-09-813-817-3	Sequence 3, Appl
c 160	43.4	34.7	276	3	US-09-276-625-13	Sequence 13, Appl	233	31.8	25.4	59065	3	US-09-978-197-3	Sequence 3, Appl
c 161	42.8	34.2	276	3	US-09-276-625-10	Sequence 10, Appl	234	31.8	25.4	59065	3	US-10-135-696-3	Sequence 3, Appl
c 162	42.2	33.8	139	3	US-08-471-914-8	Sequence 8, Appl	235	31.8	25.4	71815	4	US-09-949-016-12501	Sequence 12501, A
c 163	41.8	33.4	46	3	US-08-702-573-8	Sequence 8, Appl	236	31.8	25.4	84495	3	US-09-797-906-3	Sequence 3, Appl
c 164	41.4	33.1	316	3	US-09-276-625-11	Sequence 11, Appl	c 237	31.6	25.3	444	4	US-08-252-991A-11328	Sequence 11328, A
c 165	40.4	32.3	120	1	US-08-308-949A-3	Sequence 3, Appl	c 238	31.6	25.3	501	4	US-09-252-991A-11294	Sequence 11294, A
c 166	39.8	31.8	276	3	US-09-276-625-10	Sequence 10, Appl	c 239	31.6	25.3	601	4	US-09-949-016-90084	Sequence 90084, A
c 167	39	31.2	132	1	US-08-308-949A-7	Sequence 7, Appl	c 240	31.6	25.3	112219	4	US-09-949-016-12453	Sequence 12453, A
c 168	39	31.2	132	1	US-08-308-949A-7	Sequence 7, Appl	c 241	31.6	25.3	112222	4	US-09-949-016-14324	Sequence 14324, A
c 169	37.8	30.2	120	3	US-08-471-914-10	Sequence 10, Appl	c 242	31.6	25.3	113186	4	US-09-949-016-17572	Sequence 17572, A
c 170	37.8	30.2	120	3	US-08-471-914-10	Sequence 10, Appl	c 243	31.4	25.1	908	4	US-09-252-991A-12879	Sequence 12879, A
c 171	36.4	29.1	123	3	US-08-471-914-9	Sequence 9, Appl	c 244	31.4	25.1	475	4	US-09-252-991A-13236	Sequence 13236, A
c 172	35	28.0	1917	3	US-08-808-346-1	Sequence 1, Appl	245	31.4	25.1	2532	4	US-09-252-991A-12912	Sequence 12912, A
c 173	35	28.0	1926	1	US-07-901-703-12	Sequence 12, Appl	246	31.4	25.1	7407	4	US-09-949-016-13171	Sequence 13171, A



RESULT 4  
US-07-982-193-1  
; Sequence 1, Application US/07982193  
; Patent No. 6261834  
; GENERAL INFORMATION:  
; APPLICANT: Srivastava, Arun  
; TITLE OF INVENTION: SAFE VECTOR FOR GENE THERAPY  
; NUMBER OF SEQUENCES: 2  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Scully, Scott, Murphy & Presser  
; STREET: 400 Garden City Plaza  
; CITY: Garden City  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 11530

```

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/982,193
FILING DATE: 19921125
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: McNulty, William E.
REGISTRATION NUMBER: 22,606
REFERENCE/DOCKET NUMBER: 8361
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4343
TELEFAX: (516) 742-4366
TELEX: 230 901 SANS UR
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 145 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-07-982-193-1

Query Match          100.0%; Score 125; DB 3; Length 145;
Best Local Similarity 100.0%; Pred. No. 8.5e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qv      1  TTGGCACTCCCTCTCTGCGGCTCGCTCGCTCACTGAGGCCGGGCGACCAAGGTCGCC 60

```

Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCAGTGAGCGCGCGGACCAAAAGGTGCGCC 60  
QY 61 CGACGCCCGGGCTTTCCCGCGCGCTCAGTGAGCGAGCGAGCGCGCGAGAGGGAGTG 120  
Db 61 CGACGCCCGGGCTTTCCCGCGCGCTCAGTGAGCGAGCGAGCGCGCGAGAGGGAGTG 120  
QY 121 GCCAA 125  
Db 121 GCCAA 125

## RESULT 5

US-07-989-841A-1  
; Sequence 1, Application US/07989841A  
; Patent No. 5478745  
; GENERAL INFORMATION:  
; APPLICANT: Samuleki, R. J.  
; APPLICANT: Xiao, X.  
; TITLE OF INVENTION: Recombinant Viral Vector System  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10036-2711  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/989,841A  
; FILING DATE: On even date herewith  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Coruzzi, Laura A  
; REGISTRATION NUMBER: 30,742  
; REFERENCE/DOCKET NUMBER: 6636-013  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 790-9090  
; TELEFAX: (212) 869-8864/9741  
; TELEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 165 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: unknown  
; MOLECULE TYPE: DNA (genomic)  
US-07-989-841A-1

Query Match 100.0%; Score 125; DB 1; Length 165;  
Best Local Similarity 100.0%; Pred. No. 8.5e-25;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCAGTGAGCGCGCGGACCAAAAGGTGCGCC 60  
Db 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCAGTGAGCGCGCGGACCAAAAGGTGCGCC 80  
QY 61 CGACGCCCGGGCTTTCCCGCGCGCTCAGTGAGCGAGCGAGCGCGCGAGAGGGAGTG 120  
Db 81 CGACGCCCGGGCTTTCCCGCGCGCTCAGTGAGCGAGCGAGCGCGCGAGAGGGAGTG 140  
QY 121 GCCAA 125  
Db 141 GCCAA 145

## RESULT 6

US-08-440-738A-1

; Sequence 1, Application US/08440738A  
; Patent No. 5869305  
; GENERAL INFORMATION:  
; APPLICANT: Samuleki, R. J.  
; APPLICANT: Xiao, X.  
; TITLE OF INVENTION: Recombinant Viral Vector System  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10036-2711  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/440,738A  
; FILING DATE: May 15, 1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Coruzzi, Laura A  
; REGISTRATION NUMBER: 30,742  
; REFERENCE/DOCKET NUMBER: 6636-022  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 790-9090  
; TELEFAX: (212) 869-8864/9741  
; TELEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 165 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: unknown  
; MOLECULE TYPE: DNA (genomic)  
US-08-440-738A-1

Query Match 100.0%; Score 125; DB 2; Length 165;  
Best Local Similarity 100.0%; Pred. No. 8.5e-25;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCAGTGAGCGCGGACCAAAAGGTGCGCC 60  
Db 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCAGTGAGCGCGGACCAAAAGGTGCGCC 80  
QY 61 CGACGCCCGGGCTTTCCCGCGCGCTCAGTGAGCGAGCGAGCGCGCGAGAGGGAGTG 120  
Db 81 CGACGCCCGGGCTTTCCCGCGCGCTCAGTGAGCGAGCGAGCGCGCGAGAGGGAGTG 140  
QY 121 GCCAA 125  
Db 141 GCCAA 145

## RESULT 7

US-08-471-914-1  
; Sequence 1, Application US/08471914A  
; Patent No. 6057152  
; GENERAL INFORMATION:  
; APPLICANT: Samuleki, R.  
; APPLICANT: Xiao, X.  
; TITLE OF INVENTION: RECOMBINANT VIRAL VECTOR SYSTEM  
; FILE REFERENCE: 6636-027  
; CURRENT APPLICATION NUMBER: US/08/471,914A  
; CURRENT FILING DATE: 1995-06-06  
; EARLIER APPLICATION NUMBER: 08/440,738  
; EARLIER FILING DATE: 1995-05-15  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO: 1



```
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: double-D
US-08-471-914-1

Query Match      100.0%; Score 125; DB 3; Length 165;
Best Local Similarity 100.0%; Pred. No. 8.5e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
Db 21 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 80

QY 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 81 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 140

QY 121 GCCAA 125
Db 141 GCCAA 145

RESULT 8
US-09-276-625-7
; Sequence 7, Application US/09276625
; Patent No. 6436392
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; APPLICANT: Duan, Dongsheng
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007U51
; CURRENT APPLICATION NUMBER: US/09/276,625
; CURRENT FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 6436392 5,478,745
US-09-276-625-7

Query Match      100.0%; Score 125; DB 3; Length 165;
Best Local Similarity 100.0%; Pred. No. 8.5e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
Db 21 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 80

QY 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 81 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 140

QY 121 GCCAA 125
Db 141 GCCAA 145

RESULT 9
US-08-702-573-3
; Sequence 3, Application US/08702573
; Patent No. 6033885
; GENERAL INFORMATION:
; APPLICANT: LATTA, Martine
; APPLICANT: DENEUFLE, Patrice
; APPLICANT: VIGNE, Emmanuelle
```

```
; APPLICANT: PERRICAUDET, Michel
; TITLE OF INVENTION: INTEGRATIVE RECOMBINANT ADENOVIRUSES,
; TITLE OF INVENTION: PREPARATION THEREOF AND THERAPEUTICAL USES THEREOF
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rhone-Poulenc Rorer Inc.
; STREET: 500 Arcola Rd. 3C43
; CITY: Collegeville
; STATE: PA
; COUNTRY: USA
; ZIP: 19426
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/702,573
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 94/02445
; FILING DATE: 03-MAR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/FR95/00233
; FILING DATE: 28-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith Ph.D., Julie K.
; REGISTRATION NUMBER: 38,619
; REFERENCE/DOCKET NUMBER: ST94011-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (610)454-3839
; TELEFAX: (610)454-3808
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 192 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..192
; OTHER INFORMATION: /note= "Right ITR Sequence in
; Patent No. 6033885
; OTHER INFORMATION: pXL2384"
US-08-702-573-3

Query Match      100.0%; Score 125; DB 3; Length 192;
Best Local Similarity 100.0%; Pred. No. 8.6e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
Db 68 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 127

QY 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 128 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 187

QY 121 GCCAA 125
Db 188 GCCAA 192

RESULT 10
US-08-254-358-1
; Sequence 1, Application US/08254358
; Patent No. 5658785
; GENERAL INFORMATION:
; APPLICANT: Johnson, Philip R.
; TITLE OF INVENTION: Adeno-Associated Virus Materials and
; TITLE OF INVENTION: Methods
```

```
;
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM: disk
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/254,358
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5658785and, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 31975
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; TELEFAX: (312) 474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4680 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-254-358-1

Query Match 100.0%; Score 125; DB 1; Length 4680;
Best Local Similarity 100.0%; Pred. No. 1e-24; Indels 0; Gaps 0;
Matches 125; Conservative 0; Mismatches 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGAGCGCGGCGGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGAGCGCGGCGGACCAAGGTCGCC 60
QY 61 CGACGCCGGGCTTTGCCGGGGCTCAGTGGAGCGAGCGCGGCGGAGGAGTG 120
Db 61 CGACGCCGGGCTTTGCCGGGGCTCAGTGGAGCGAGCGCGGCGGAGGAGTG 120
QY 121 GCCAA 125
Db 121 GCCAA 125

RESULT 11
US-08-475-391-1
; Sequence 1, Application US/08475391
; Patent No. 5786211
; GENERAL INFORMATION:
; APPLICANT: Johnson, Philip R.
; TITLE OF INVENTION: Adeno-Associated Virus Materials and
; TITLE OF INVENTION: Methods
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
```

```
;
; APPLICATION NUMBER: US/08/475,391
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/254,358
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5786211and, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 31975
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; TELEFAX: (312) 474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4680 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-475-391-1

Query Match 100.0%; Score 125; DB 1; Length 4680;
Best Local Similarity 100.0%; Pred. No. 1e-24; Indels 0; Gaps 0;
Matches 125; Conservative 0; Mismatches 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGAGCGCGGCGGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGAGCGCGGCGGACCAAGGTCGCC 60
QY 61 CGACGCCGGGCTTTGCCGGGGCTCAGTGGAGCGAGCGCGGCGGAGGAGTG 120
Db 61 CGACGCCGGGCTTTGCCGGGGCTCAGTGGAGCGAGCGCGGCGGAGGAGTG 120
QY 121 GCCAA 125
Db 121 GCCAA 125

RESULT 12
US-08-709-609-1
; Sequence 1, Application US/08709609
; Patent No. 5858775
; GENERAL INFORMATION:
; APPLICANT: Johnson, Philip R.
; TITLE OF INVENTION: Adeno-Associated Virus Materials and
; TITLE OF INVENTION: Methods
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/709,609
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5858775and, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 31975
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; TELEFAX: (312) 474-0448
; TELEX: 25-3856
```



```
; ORGANISM: AAV-6
US-09-807-802A-19

Query Match      100.0%; Score 125; DB 4; Length 4683;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120

QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 16
US-09-299-141-4
; Sequence 4, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-09-299-141-4

Query Match      100.0%; Score 125; DB 3; Length 5932;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120

QY 121 GCCAA 125
DB 121 GCCAA 142

RESULT 17
US-09-299-141-4/c
; Sequence 4, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
```

```
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-09-299-141-4

Query Match      100.0%; Score 125; DB 3; Length 5932;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60
DB 3078 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 3019

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120
DB 3018 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120

QY 121 GCCAA 125
DB 2958 GCCAA 2954

RESULT 18
US-09-299-141-8
; Sequence 8, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 6142
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:PLASMD
; OTHER INFORMATION: p43msenc-AT
US-09-299-141-8

Query Match      100.0%; Score 125; DB 3; Length 6142;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60
DB 18 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 77

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120
DB 78 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 137

QY 121 GCCAA 125
DB 138 GCCAA 142
```



```
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6253 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 988..1701
US-08-893-327-15

Query Match 100.0%; Score 125; DB 3; Length 6253;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTCAGGCGCGGCGGACCAAAAGGTCGCC 60
DB 3400 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTCAGGCGCGGCGGACCAAAAGGTCGCC 3341

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGGCGAGCGCGCGCAGAGAGGAGTG 120
DB 3340 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGGCGAGCGCGCGCAGAGAGGAGTG 3281

QY 121 GCCAA 125
DB 3280 GCCAA 3276

RESULT 22
US-08-893-327-17
; Sequence 17, Application US/08893327
; Patent No. 6020192
; GENERAL INFORMATION:
; APPLICANT: Zolotukhin, Sergei
; APPLICANT: Hauswirth, William W.
; APPLICANT: Muzyczka, Nicholas
; TITLE OF INVENTION: Humanized Green Fluorescent Protein
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P. O. Box 4433
; CITY: Houston
; STATE: TX
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/893,327
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/588,201
; FILING DATE: 18-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Kitchell, Barbara S.
; REGISTRATION NUMBER: 33,928
; REFERENCE/DOCKET NUMBER: UFLA:062\KIT
; TELEPHONE: (512) 418-3000
; TELEFAX: (713) 789-2679
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6280 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 988..1728
US-08-893-327-17
```

```
; LOCATION: 988..1728
US-08-893-327-17

Query Match 100.0%; Score 125; DB 3; Length 6280;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTCAGGCGCGGCGGACCAAAAGGTCGCC 60
DB 19 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTCAGGCGCGGCGGACCAAAAGGTCGCC 78

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGGCGAGCGCGCGCAGAGAGGAGTG 120
DB 79 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGGCGAGCGCGCGCAGAGAGGAGTG 138

QY 121 GCCAA 125
DB 139 GCCAA 143

RESULT 23
US-08-893-327-17/c
; Sequence 17, Application US/08893327
; Patent No. 6020192
; GENERAL INFORMATION:
; APPLICANT: Zolotukhin, Sergei
; APPLICANT: Hauswirth, William W.
; APPLICANT: Muzyczka, Nicholas
; TITLE OF INVENTION: Humanized Green Fluorescent Protein
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P. O. Box 4433
; CITY: Houston
; STATE: TX
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/893,327
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/588,201
; FILING DATE: 18-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Kitchell, Barbara S.
; REGISTRATION NUMBER: 33,928
; REFERENCE/DOCKET NUMBER: UFLA:062\KIT
; TELEPHONE: (512) 418-3000
; TELEFAX: (713) 789-2679
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6280 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 988..1728
US-08-893-327-17

Query Match 100.0%; Score 125; DB 3; Length 6280;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTCAGGCGCGGCGGACCAAAAGGTCGCC 60
```





```
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 6565
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID C-AT
US-09-299-141-1

Query Match      100.0%; Score 125; DB 3; Length 6565;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 60
DB 19 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 78
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGGCGAGAGGGAGTG 120
DB 79 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGGCGAGAGGGAGTG 138
QY 121 GCCAA 125
DB 139 GCCAA 143

RESULT 27
US-09-299-141-1/c
; Sequence 1, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 6565
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID C-AT
US-09-299-141-1

Query Match      100.0%; Score 125; DB 3; Length 6565;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 60
DB 19 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 78
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGGCGAGAGGGAGTG 120
DB 79 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGGCGAGAGGGAGTG 138
QY 121 GCCAA 125
DB 139 GCCAA 143

RESULT 28
US-09-299-141-6
; Sequence 6, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 6714
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
US-09-299-141-6

Query Match      100.0%; Score 125; DB 3; Length 6714;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 60
DB 18 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 77
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGGCGAGAGGGAGTG 120
DB 78 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGGCGAGAGGGAGTG 137
QY 121 GCCAA 125
DB 138 GCCAA 142

RESULT 29
US-09-299-141-6/c
; Sequence 6, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 6714
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
```



```
Db 138 GCCAA 142

RESULT 33
US-09-299-141-10/c
; Sequence 10, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 6924
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:PLASMID
; OTHER INFORMATION: p43msENCB-AT
US-09-299-141-10

Query Match 100.0%; Score 125; DB 3; Length 6924;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAAAGGTGCGCC 60
DB 4070 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAAAGGTGCGCC 4011
QY 61 CGACGCCCGGGCTTTGCCCCGGGCGGCTCAGTGAGCGAGCGCGGCGCAGAGGGAGTG 120
DB 4010 CGACGCCCGGGCTTTGCCCCGGGCGGCTCAGTGAGCGAGCGCGGCGCAGAGGGAGTG 120
QY 121 GCCAA 125
DB 3950 GCCAA 3946

RESULT 34
US-09-299-141-11
; Sequence 11, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 6924
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:PLASMID
; OTHER INFORMATION: p43msENCB-AT
US-09-299-141-11

Query Match 100.0%; Score 125; DB 3; Length 6924;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAAAGGTGCGCC 60
DB 4070 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAAAGGTGCGCC 4011
QY 61 CGACGCCCGGGCTTTGCCCCGGGCGGCTCAGTGAGCGAGCGCGGCGCAGAGGGAGTG 120
DB 4010 CGACGCCCGGGCTTTGCCCCGGGCGGCTCAGTGAGCGAGCGCGGCGCAGAGGGAGTG 120
QY 121 GCCAA 125
DB 3950 GCCAA 3946

RESULT 35
US-09-299-141-11/c
; Sequence 11, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 6924
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:PLASMID
; OTHER INFORMATION: p43msENCB-AT
US-09-299-141-11

Query Match 100.0%; Score 125; DB 3; Length 6924;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAAAGGTGCGCC 60
DB 4070 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAAAGGTGCGCC 4011
QY 61 CGACGCCCGGGCTTTGCCCCGGGCGGCTCAGTGAGCGAGCGCGGCGCAGAGGGAGTG 120
DB 4010 CGACGCCCGGGCTTTGCCCCGGGCGGCTCAGTGAGCGAGCGCGGCGCAGAGGGAGTG 120
QY 121 GCCAA 125
DB 3950 GCCAA 3946

RESULT 36
US-09-299-141-7
; Sequence 7, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 6924
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:PLASMID
; OTHER INFORMATION: p43msENCB-AT
US-09-299-141-11

Query Match 100.0%; Score 125; DB 3; Length 6924;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAAAGGTGCGCC 60
DB 4070 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAAAGGTGCGCC 4011
QY 61 CGACGCCCGGGCTTTGCCCCGGGCGGCTCAGTGAGCGAGCGCGGCGCAGAGGGAGTG 120
DB 4010 CGACGCCCGGGCTTTGCCCCGGGCGGCTCAGTGAGCGAGCGCGGCGCAGAGGGAGTG 120
QY 121 GCCAA 125
DB 3950 GCCAA 3946

RESULT 37
US-09-299-141-10/c
; Sequence 10, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 6924
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:PLASMID
; OTHER INFORMATION: p43msENCB-AT
US-09-299-141-10

Query Match 100.0%; Score 125; DB 3; Length 6924;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAAAGGTGCGCC 60
DB 4070 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAAAGGTGCGCC 4011
QY 61 CGACGCCCGGGCTTTGCCCCGGGCGGCTCAGTGAGCGAGCGCGGCGCAGAGGGAGTG 120
DB 4010 CGACGCCCGGGCTTTGCCCCGGGCGGCTCAGTGAGCGAGCGCGGCGCAGAGGGAGTG 120
QY 121 GCCAA 125
DB 3950 GCCAA 3946

RESULT 38
US-09-299-141-11/c
; Sequence 11, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 6924
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:PLASMID
; OTHER INFORMATION: p43msENCB-AT
US-09-299-141-11/c

Query Match 100.0%; Score 125; DB 3; Length 6924;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAAAGGTGCGCC 60
DB 4070 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAAAGGTGCGCC 4011
QY 61 CGACGCCCGGGCTTTGCCCCGGGCGGCTCAGTGAGCGAGCGCGGCGCAGAGGGAGTG 120
DB 4010 CGACGCCCGGGCTTTGCCCCGGGCGGCTCAGTGAGCGAGCGCGGCGCAGAGGGAGTG 120
QY 121 GCCAA 125
DB 3950 GCCAA 142
```



```
|||||
Db 4141 CGACGCCCGGGCTTTGCCCCGGCGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 4082
QY 121 GCCAA 125
Db 4081 GCCAA 4077

RESULT 40
US-09-299-141-2
; Sequence 2, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 7405
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID E-AT
US-09-299-141-2

Query Match 100.0%; Score 125; DB 3; Length 7405;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTCAGCGAGCGCGGCGACCAAGGTCGCC 60
Db 19 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTCAGCGAGCGCGGCGACCAAGGTCGCC 78

QY 61 CGACGCCCGGGCTTTGCCCCGGCGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 120
Db 79 CGACGCCCGGGCTTTGCCCCGGCGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 138

QY 121 GCCAA 125
Db 139 GCCAA 143

RESULT 41
US-09-299-141-2/c
; Sequence 2, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 7405
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID E-AT
```

```
US-09-299-141-2

Query Match 100.0%; Score 125; DB 3; Length 7405;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTCAGCGAGCGCGGCGACCAAGGTCGCC 60
Db 4552 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTCAGCGAGCGCGGCGACCAAGGTCGCC 4493

QY 61 CGACGCCCGGGCTTTGCCCCGGCGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 120
Db 4492 CGACGCCCGGGCTTTGCCCCGGCGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 4433

QY 121 GCCAA 125
Db 4432 GCCAA 4428

RESULT 42
US-09-299-141-5
; Sequence 5, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 7492
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: p43C-AT-IN
US-09-299-141-5

Query Match 100.0%; Score 125; DB 3; Length 7492;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTCAGCGAGCGCGGCGACCAAGGTCGCC 60
Db 6279 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTCAGCGAGCGCGGCGACCAAGGTCGCC 6338

QY 61 CGACGCCCGGGCTTTGCCCCGGCGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 120
Db 6339 CGACGCCCGGGCTTTGCCCCGGCGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 6398

QY 121 GCCAA 125
Db 6399 GCCAA 6403

RESULT 43
US-09-299-141-5/c
; Sequence 5, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
```

```
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083, 025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; TYPE: DNA
; LENGTH: 7492
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT-IN
US-09-299-141-5

Query Match      100.0%; Score 125; DB 3; Length 7492;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60
Db 3444 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 3385

QY 61 CGACGCCCGGGCTTTGCGCGCGCGGCTCAGTGAGCGAGCGCGGAGGAGTG 120
Db 3384 CGACGCCCGGGCTTTGCGCGCGCGGCTCAGTGAGCGAGCGAGCGCGGAGGAGTG 3325

QY 121 GCCAA 125
Db 3324 GCCAA 3320

RESULT 44
US-09-770-315-2
; Sequence 2, Application US/09770315
; Patent No. 6429001
; GENERAL INFORMATION:
; APPLICANT: Chiron Corporation
; TITLE OF INVENTION: Recombinant AAV Packaging Systems
; FILE REFERENCE: 20263-501
; CURRENT APPLICATION NUMBER: US/09/770,315
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: US 60/178,536
; PRIOR FILING DATE: 2000-01-26
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 8698
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: recombinant DNA
US-09-770-315-2

Query Match      100.0%; Score 125; DB 3; Length 8698;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCGCGCGCGGCTCAGTGAGCGAGCGAGCGCGGAGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCGCGCGCGGCTCAGTGAGCGAGCGAGCGCGGAGGAGTG 120

QY 121 GCCAA 125
Db 121 GCCAA 125

RESULT 45
US-09-276-625-4
; Sequence 4, Application US/09276625
; Patent No. 6436392
```

```
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; APPLICANT: Duan, Dongsheng
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US1
; CURRENT APPLICATION NUMBER: US/09/276,625
; CURRENT FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 272
; TYPE: DNA
; ORGANISM: AAV circular intermediate, clone p81
US-09-276-625-4

Query Match      98.7%; Score 123.4; DB 3; Length 272;
Best Local Similarity 99.2%; Pred. No. 2.3e-24;
Matches 124; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60
Db 69 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 128

QY 61 CGACGCCCGGGCTTTGCGCGCGGCTCAGTGAGCGAGCGAGCGCGGAGGAGTG 120
Db 129 CGACGCCCGGGCTTTGCGCGCGGCTCAGTGAGCGAGCGAGCGCGGAGGAGTG 188

QY 121 GCCAA 125
Db 189 GCCAA 193

RESULT 46
US-09-394-110A-1/c
; Sequence 1, Application US/09394110A
; Patent No. 6451594
; GENERAL INFORMATION:
; APPLICANT: Chien, Kenneth
; APPLICANT: Wang, Yibin
; APPLICANT: Evans, Sylvia
; TITLE OF INVENTION: No. 6451594el Recombinant Adenovirus for Tissue Specific Expression
; FILE REFERENCE: 6627-PA8045
; CURRENT APPLICATION NUMBER: US/09/394,110A
; CURRENT FILING DATE: 1999-09-10
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 174
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-09-394-110A-1

Query Match      98.4%; Score 123; DB 3; Length 174;
Best Local Similarity 100.0%; Pred. No. 2.9e-24;
Matches 123; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60
Db 123 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 64

QY 61 CGACGCCCGGGCTTTGCGCGCGGCTCAGTGAGCGAGCGAGCGCGGAGGAGTG 120
Db 63 CGACGCCCGGGCTTTGCGCGCGGCTCAGTGAGCGAGCGAGCGCGGAGGAGTG 4

QY 121 GCC 123
Db 3 GCC 1

RESULT 47
US-08-305-221-1
```

```

; Sequence 1, Application US/08305221
; Patent No. 5834441
; GENERAL INFORMATION:
; APPLICANT: APPLIED IMMUNE, SCIENCES, INC.
; APPLICANT: PHILIP, RAMILA
; APPLICANT: LEBKOWSKI, JANE
; TITLE OF INVENTION: ADENO-ASSOCIATED VIRAL (AAV)
; TITLE OF INVENTION: LIPOSOMES
; TITLE OF INVENTION: AND METHODS RELATED THERETO
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HELLER, EHRMAN, WHITE & MCAULIFFE
; STREET: 333 BUSH STREET
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104-2878
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/305,221
; FILING DATE: 12-SEP-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/120,605
; FILING DATE: 13-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: LITHGOW, TIMOTHY J.
; REGISTRATION NUMBER: US 36,856
; REFERENCE/DOCKET NUMBER: 12414-0163
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-772-6000
; TELEFAX: 415-772-6268
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5585 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; PUBLICATION INFORMATION:
; DOCUMENT NUMBER: PCT/US94/09774
; FILING DATE: 13-SEP-1994
; US-08-305-221-1
;
; Query Match 97.4%; Score 121.8; DB 2; Length 5585;
; Best Local Similarity 98.4%; Pred. No. 7.3e-24;
; Matches 123; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
;
; QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGCAACAAAGTCGCC 60
; | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
; Db 46 TGGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGCAACAAAGTCGCC 105
; | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
; QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGGCGCAGAGAGGAGTG 120
; | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
; Db 106 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGGCGCAGAGAGGAGTG 165
; | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
; QY 121 GCCAA 125
; | | | | |
; Db 166 GCCAA 170
; | | | | |
;
; RESULT 48
; US-09-000-003A-1
; Sequence 1, Application US/09000003A
; Patent No. 6652850
; GENERAL INFORMATION:
; APPLICANT: Philip, Ramila

```





```
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 6636-013
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
US-07-989-841A-6

Query Match          96.2%; Score 120.2; DB 1; Length 145;
Best Local Similarity 97.6%; Pred. No. 1.6e-23;
Matches 122; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAGGTGCGCC 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 145 TTGGCCACGCCCGCGCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAGGTGCGCC 86

QY 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCAGTGAGCGAGCGGCGGAGAGGGAGTG 120
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 85 CGACGCCCGGGCTTTGCCCGGCGGCGCTCAGTGAGCGAGCGGCGGAGAGGGAGTG 26

QY 121 GCCAA 125
   |||||
Db 25 GCCAA 21

RESULT 51
US-08-440-738A-6/c
; Sequence 6, Application US/08440738A
; Patent No. 5869305
; GENERAL INFORMATION:
; APPLICANT: Samulski, R. J.
; APPLICANT: Xiao, X.
; TITLE OF INVENTION: Recombinant Viral Vector System
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSES: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/440,738A
; FILING DATE: May 15, 1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 6636-022
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
```

```
US-08-440-738A-6

Query Match          96.2%; Score 120.2; DB 2; Length 145;
Best Local Similarity 97.6%; Pred. No. 1.6e-23;
Matches 122; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAGGTGCGCC 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 145 TTGGCCACGCCCGCGCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAGGTGCGCC 86

QY 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCAGTGAGCGAGCGGCGGAGAGGGAGTG 120
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 85 CGACGCCCGGGCTTTGCCCGGCGGCGCTCAGTGAGCGAGCGGCGGAGAGGGAGTG 26

QY 121 GCCAA 125
   |||||
Db 25 GCCAA 21

RESULT 52
US-08-471-914-6/c
; Sequence 6, Application US/08471914A
; Patent No. 6057152
; GENERAL INFORMATION:
; APPLICANT: Samulski, R.
; APPLICANT: Xiao, X.
; TITLE OF INVENTION: RECOMBINANT VIRAL VECTOR SYSTEM
; FILE REFERENCE: 6636-027
; CURRENT APPLICATION NUMBER: US/08/471,914A
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/440,738
; EARLIER FILING DATE: 1995-05-15
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 145
; TYPE: DNA
; ORGANISM: adeno-associated virus
US-08-471-914-6

Query Match          96.2%; Score 120.2; DB 3; Length 145;
Best Local Similarity 97.6%; Pred. No. 1.6e-23;
Matches 122; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAGGTGCGCC 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 145 TTGGCCACGCCCGCGCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAGGTGCGCC 86

QY 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCAGTGAGCGAGCGGCGGAGAGGGAGTG 120
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 85 CGACGCCCGGGCTTTGCCCGGCGGCGCTCAGTGAGCGAGCGGCGGAGAGGGAGTG 26

QY 121 GCCAA 125
   |||||
Db 25 GCCAA 21

RESULT 53
US-09-276-625-6
; Sequence 6, Application US/09276625
; Patent No. 6436392
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; APPLICANT: Duan, Dongsheng
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US1
; CURRENT APPLICATION NUMBER: US/09/276,625
; CURRENT FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
```

```
; LENGTH: 272
; TYPE: DNA
; ORGANISM: AAV circular intermediate, clone pl202
US-09-276-625-6

Query Match          94.9%; Score 118.6; DB 3; Length 272;
Best Local Similarity 96.8%; Pred. No. 4.5e-23;
Matches 121; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGCGACCAAAAGTCCGC 60
   |||||
Db 69 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGCGACCAAAAGTCCGC 128
   |||||

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCTCACTGAGCGAGCGAGCGCGAGAGGGAGTG 120
   |||||
Db 129 CGACGCCCGGGCTTTGGTTCGCCCGGCTCTCACTGAGCGAGCGAGCGCGAGAGGGAGTG 188
   |||||

QY 121 GCCAA 125
   |||||
Db 189 GCCAA 193
   |||||

RESULT 54
US-09-394-110A-2
; Sequence 2, Application US/09394110A
; Patent No. 6451594
; GENERAL INFORMATION:
; APPLICANT: Chien, Kenneth
; APPLICANT: Wang, Yibin
; APPLICANT: Evans, Sylvia
; TITLE OF INVENTION: No. 6451594el Recombinant Adenovirus for Tissue Specific Expression
; FILE REFERENCE: 6627-PA8045
; CURRENT APPLICATION NUMBER: US/09/394,110A
; CURRENT FILING DATE: 1999-09-10
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 183
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-09-394-110A-2

Query Match          93.6%; Score 117; DB 3; Length 183;
Best Local Similarity 100.0%; Pred. No. 1.2e-22;
Matches 117; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGCGACCAAAAGTCCGC 60
   |||||
Db 67 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGCGACCAAAAGTCCGC 126
   |||||

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCTCACTGAGCGAGCGAGCGCGAGAGGGGA 117
   |||||
Db 127 CGACGCCCGGGCTTTGCCCGGGCGGCTCTCACTGAGCGAGCGAGCGCGAGAGGGGA 183
   |||||

RESULT 55
US-08-910-647-1
; Sequence 1, Application US/08910647
; Patent No. 6251433
; GENERAL INFORMATION:
; APPLICANT: Zuckermann et al.
; TITLE OF INVENTION: Compositions and Methods for
; TITLE OF INVENTION: Polynucleotide Delivery
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/620,925
; FILING DATE: 21-Jul-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/910,647
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Fujita, Sharon M.
; REGISTRATION NUMBER: 38,459
; REFERENCE/DOCKET NUMBER: 1218.002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 923-2706
; TELEFAX: (510) 655-3542
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
```

```
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/910,647
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Fujita, Sharon M.
; REGISTRATION NUMBER: 38,459
; REFERENCE/DOCKET NUMBER: 1218.002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 923-2706
; TELEFAX: (510) 655-3542
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9600 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-910-647-1

Query Match          89.1%; Score 111.4; DB 3; Length 9600;
Best Local Similarity 99.1%; Pred. No. 4.5e-21;
Matches 112; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGCGACCAAAAGTCCGC 60
   |||||
Db 7246 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGCGACCAAAAGTCCGC 7305
   |||||

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCTCACTGAGCGAGCGAGCGCGAGAGGGGA 113
   |||||
Db 7306 CGACGCCCGGGCTTTGCCCGGGCGGCTCTCACTGAGCGAGCGAGCGCGAGAGGGGA 7358
   |||||

RESULT 56
US-09-620-925-1
; Sequence 1, Application US/09620925
; Patent No. 6468986
; GENERAL INFORMATION:
; APPLICANT: Zuckermann et al.
; TITLE OF INVENTION: Compositions and Methods for
; TITLE OF INVENTION: Polynucleotide Delivery
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/620,925
; FILING DATE: 21-Jul-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/910,647
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Fujita, Sharon M.
; REGISTRATION NUMBER: 38,459
; REFERENCE/DOCKET NUMBER: 1218.002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 923-2706
; TELEFAX: (510) 655-3542
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
```



```
; LENGTH: 4999
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-470-618-14

Query Match      88.0%; Score 110; DB 3; Length 4999;
Best Local Similarity 100.0%; Pred. No. 1e-20;
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
   |||||||
Db 125 TTGGCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 66
   |||||||

QY 61 CGACGCCCGGGCTTTGCCCGCGCGCCCTCAGTGAGCGAGCGCGCGCAG 110
   |||||||
Db 65 CGACGCCCGGGCTTTGCCCGCGCGCCCTCAGTGAGCGAGCGCGCGCAG 16
   |||||||

RESULT 60
US-09-364-862-14
; Sequence 14, Application US/09364862
; Patent No. 6221349
; GENERAL INFORMATION:
; APPLICANT: Couto, Linda B.
; APPLICANT: Colosi, Peter C.
; TITLE OF INVENTION: ADENO-ASSOCIATED VECTORS FOR EXPRESSION OF FACTOR VIII
; TITLE OF INVENTION: BY TARGET
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: AVIGEN-03743
; CURRENT APPLICATION NUMBER: US/09/364,862
; CURRENT FILING DATE: 1999-07-30
; EARLIER APPLICATION NUMBER: 60/125,974
; EARLIER FILING DATE: 1999-03-24
; EARLIER APPLICATION NUMBER: 60/104,994
; EARLIER FILING DATE: 1998-10-20
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 4999
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-364-862-14

Query Match      88.0%; Score 110; DB 3; Length 4999;
Best Local Similarity 100.0%; Pred. No. 1e-20;
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
   |||||||
Db 4875 TTGGCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 4934
   |||||||

QY 61 CGACGCCCGGGCTTTGCCCGCGCGCCCTCAGTGAGCGAGCGCGCGCAG 110
   |||||||
Db 4935 CGACGCCCGGGCTTTGCCCGCGCGCCCTCAGTGAGCGAGCGCGCGCAG 4984
   |||||||
```

Search completed: July 5, 2005, 13:29:12  
Job time : 100.278 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 10:51:06 ; Search time 486.556 Seconds  
(without alignments)  
1869.194 Million cell updates/sec

Title: US-10-620-039-1  
Perfect score: 145  
Sequence: 1 TTGGCCACTCCCTCTCTGCG.....CTCCATCACTAGGGTTCCT 145

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 6313374 seqs, 3136092125 residues

Total number of hits satisfying chosen parameters: 12626748

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 300 summaries

Database : Published Applications NA.\*  
1: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq.\*  
2: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq.\*  
3: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq.\*  
4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq.\*  
5: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq.\*  
6: /cgn2\_6/ptodata/1/pubpna/PCTUS\_PUBCOMB.seq.\*  
7: /cgn2\_6/ptodata/1/pubpna/US08\_NEW\_PUB.seq.\*  
8: /cgn2\_6/ptodata/1/pubpna/US08\_PUBCOMB.seq.\*  
9: /cgn2\_6/ptodata/1/pubpna/US09A\_PUBCOMB.seq.\*  
10: /cgn2\_6/ptodata/1/pubpna/US09B\_PUBCOMB.seq.\*  
11: /cgn2\_6/ptodata/1/pubpna/US09C\_PUBCOMB.seq.\*  
12: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq.\*  
13: /cgn2\_6/ptodata/1/pubpna/US10A\_PUBCOMB.seq.\*  
14: /cgn2\_6/ptodata/1/pubpna/US10B\_PUBCOMB.seq.\*  
15: /cgn2\_6/ptodata/1/pubpna/US10C\_PUBCOMB.seq.\*  
16: /cgn2\_6/ptodata/1/pubpna/US10D\_PUBCOMB.seq.\*  
17: /cgn2\_6/ptodata/1/pubpna/US10E\_PUBCOMB.seq.\*  
18: /cgn2\_6/ptodata/1/pubpna/US10F\_PUBCOMB.seq.\*  
19: /cgn2\_6/ptodata/1/pubpna/US10G\_PUBCOMB.seq.\*  
20: /cgn2\_6/ptodata/1/pubpna/US10H\_PUBCOMB.seq.\*  
21: /cgn2\_6/ptodata/1/pubpna/US10I\_PUBCOMB.seq.\*  
22: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq.\*  
23: /cgn2\_6/ptodata/1/pubpna/US11A\_PUBCOMB.seq.\*  
24: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq.\*  
25: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq.\*  
26: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	145	100.0	145	9	US-09-782-378A-6
2	145	100.0	145	20	US-10-837-029-1
3	145	100.0	145	20	US-10-837-029-11
4	145	100.0	145	21	US-10-501-756-12
5	145	100.0	146	13	US-10-135-984-8
6	145	100.0	165	9	US-09-782-378A-8
7	145	100.0	165	13	US-10-054-665-7
Sequence 6, Appli					
Sequence 1, Appli					
Sequence 11, Appli					
Sequence 12, Appli					
Sequence 8, Appli					
Sequence 8, Appli					
Sequence 7, Appli					

165	100.0	145	100.0	16	US-10-159-968-13	Sequence 13, Appli
170	100.0	145	100.0	19	US-10-669-641-3	Sequence 3, Appli
175	100.0	145	100.0	17	US-10-276-356-1	Sequence 1, Appli
207	100.0	145	100.0	207	US-10-023-208-58	Sequence 58, Appli
955	100.0	145	100.0	10	US-09-845-416-26	Sequence 26, Appli
955	100.0	145	100.0	10	US-09-845-416-26	Sequence 26, Appli
987	100.0	145	100.0	10	US-09-845-416-33	Sequence 33, Appli
987	100.0	145	100.0	10	US-09-845-416-33	Sequence 33, Appli
987	100.0	145	100.0	10	US-09-845-416-33	Sequence 33, Appli
4414	100.0	145	100.0	10	US-09-845-416-32	Sequence 32, Appli
4414	100.0	145	100.0	10	US-09-845-416-32	Sequence 32, Appli
4476	100.0	145	100.0	10	US-09-845-416-31	Sequence 31, Appli
4476	100.0	145	100.0	10	US-09-845-416-31	Sequence 31, Appli
4498	100.0	145	100.0	10	US-09-845-416-30	Sequence 30, Appli
4498	100.0	145	100.0	10	US-09-845-416-30	Sequence 30, Appli
4675	100.0	145	100.0	9	US-09-782-378A-2	Sequence 2, Appli
4675	100.0	145	100.0	9	US-09-782-378A-2	Sequence 2, Appli
4675	100.0	145	100.0	15	US-10-240-198-1	Sequence 1, Appli
4675	100.0	145	100.0	15	US-10-240-198-1	Sequence 1, Appli
4675	100.0	145	100.0	15	US-10-291-583-7	Sequence 7, Appli
4675	100.0	145	100.0	19	US-10-427-129-2	Sequence 2, Appli
4679	100.0	145	100.0	9	US-09-804-898-1	Sequence 1, Appli
4679	100.0	145	100.0	9	US-09-804-898-1	Sequence 1, Appli
4679	100.0	145	100.0	13	US-10-038-972A-12	Sequence 12, Appli
4679	100.0	145	100.0	13	US-10-038-972A-12	Sequence 12, Appli
4679	100.0	145	100.0	16	US-10-136-819-6	Sequence 6, Appli
4680	100.0	145	100.0	13	US-10-077-294-1	Sequence 1, Appli
4680	100.0	145	100.0	13	US-10-163-886-1	Sequence 1, Appli
4680	100.0	145	100.0	14	US-10-263-127-1	Sequence 1, Appli
4680	100.0	145	100.0	15	US-10-375-777-1	Sequence 1, Appli
4681	100.0	145	100.0	18	US-10-696-261-18	Sequence 18, Appli
4681	100.0	145	100.0	18	US-10-696-261-18	Sequence 18, Appli
4681	100.0	145	100.0	18	US-10-696-900-18	Sequence 18, Appli
4683	100.0	145	100.0	18	US-10-696-281-19	Sequence 19, Appli
4683	100.0	145	100.0	18	US-10-696-282-19	Sequence 19, Appli
4683	100.0	145	100.0	18	US-10-696-900-19	Sequence 19, Appli
4683	100.0	145	100.0	19	US-10-427-129-6	Sequence 6, Appli
4683	100.0	145	100.0	21	US-10-959-017-2	Sequence 2, Appli
4683	100.0	145	100.0	21	US-10-959-017-2	Sequence 2, Appli
4825	100.0	145	100.0	10	US-09-845-416-29	Sequence 29, Appli
4825	100.0	145	100.0	10	US-09-845-416-29	Sequence 29, Appli
4848	100.0	145	100.0	10	US-09-845-416-35	Sequence 35, Appli
4848	100.0	145	100.0	10	US-09-845-416-35	Sequence 35, Appli
4966	100.0	145	100.0	10	US-09-845-416-28	Sequence 28, Appli
4966	100.0	145	100.0	10	US-09-845-416-34	Sequence 34, Appli
4990	100.0	145	100.0	10	US-09-845-416-34	Sequence 34, Appli
5060	100.0	145	100.0	10	US-09-845-416-36	Sequence 36, Appli
5060	100.0	145	100.0	10	US-09-845-416-36	Sequence 36, Appli
5149	100.0	145	100.0	10	US-09-845-416-27	Sequence 27, Appli
5149	100.0	145	100.0	10	US-09-845-416-27	Sequence 27, Appli
5332	100.0	145	100.0	14	US-10-267-117-4	Sequence 4, Appli
5332	100.0	145	100.0	14	US-10-267-117-4	Sequence 4, Appli
5332	100.0	145	100.0	14	US-10-340-112-4	Sequence 4, Appli
5332	100.0	145	100.0	14	US-10-340-112-4	Sequence 4, Appli
6081	100.0	145	100.0	15	US-10-294-957-18	Sequence 18, Appli
6142	100.0	145	100.0	14	US-10-267-117-8	Sequence 8, Appli
6142	100.0	145	100.0	14	US-10-267-117-8	Sequence 8, Appli
6142	100.0	145	100.0	14	US-10-340-112-8	Sequence 8, Appli
6142	100.0	145	100.0	14	US-10-340-112-8	Sequence 8, Appli
6565	100.0	145	100.0	14	US-10-267-117-1	Sequence 1, Appli
6565	100.0	145	100.0	14	US-10-267-117-1	Sequence 1, Appli
6565	100.0	145	100.0	14	US-10-340-112-1	Sequence 1, Appli
6565	100.0	145	100.0	14	US-10-340-112-1	Sequence 1, Appli
6714	100.0	145	100.0	14	US-10-267-117-6	Sequence 6, Appli
6714	100.0	145	100.0	14	US-10-267-117-6	Sequence 6, Appli
6714	100.0	145	100.0	14	US-10-340-112-6	Sequence 6, Appli
6714	100.0	145	100.0	14	US-10-340-112-6	Sequence 6, Appli
6924	100.0	145	100.0	14	US-10-267-117-9	Sequence 9, Appli
6924	100.0	145	100.0	14	US-10-267-117-9	Sequence 9, Appli
6924	100.0	145	100.0	14	US-10-267-117-10	Sequence 10, Appli
6924	100.0	145	100.0	14	US-10-267-117-10	Sequence 10, Appli
6924	100.0	145	100.0	14	US-10-267-117-11	Sequence 11, Appli
6924	100.0	145	100.0	14	US-10-267-117-11	Sequence 11, Appli
6924	100.0	145	100.0	14	US-10-340-112-9	Sequence 9, Appli
6924	100.0	145	100.0	14	US-10-340-112-9	Sequence 9, Appli
6924	100.0	145	100.0	14	US-10-340-112-10	Sequence 10, Appli
6924	100.0	145	100.0	14	US-10-340-112-10	Sequence 10, Appli

81	145	100.0	6924	14	US-10-340-112-11	Sequence 11, Appl	154	110	75.9	3589	21	US-10-604-340-9	Sequence 9, Appl
c 82	145	100.0	6924	14	US-10-340-112-11	Sequence 11, Appl	c 155	110	75.9	3589	21	US-10-604-340-9	Sequence 9, Appl
c 83	145	100.0	6981	14	US-10-267-117-7	Sequence 7, Appl	c 156	110	75.9	3617	21	US-10-604-340-10	Sequence 10, Appl
c 84	145	100.0	6981	14	US-10-267-117-7	Sequence 7, Appl	c 157	110	75.9	3617	21	US-10-604-340-10	Sequence 10, Appl
c 85	145	100.0	6981	14	US-10-340-112-7	Sequence 7, Appl	c 158	110	75.9	3618	21	US-10-604-340-5	Sequence 5, Appl
c 86	145	100.0	6981	14	US-10-340-112-7	Sequence 7, Appl	c 159	110	75.9	3618	21	US-10-604-340-5	Sequence 5, Appl
c 87	145	100.0	7054	14	US-10-267-117-3	Sequence 3, Appl	c 160	110	75.9	3787	21	US-10-604-340-11	Sequence 11, Appl
c 88	145	100.0	7054	14	US-10-267-117-3	Sequence 3, Appl	c 161	110	75.9	3787	21	US-10-604-340-11	Sequence 11, Appl
c 89	145	100.0	7054	14	US-10-340-112-3	Sequence 3, Appl	c 162	110	75.9	3920	21	US-10-604-340-6	Sequence 6, Appl
c 90	145	100.0	7054	14	US-10-340-112-3	Sequence 3, Appl	c 163	110	75.9	3920	21	US-10-604-340-6	Sequence 6, Appl
c 91	145	100.0	7405	14	US-10-267-117-2	Sequence 2, Appl	c 164	110	75.9	3923	21	US-10-604-340-7	Sequence 7, Appl
c 92	145	100.0	7405	14	US-10-267-117-2	Sequence 2, Appl	c 165	110	75.9	3923	21	US-10-604-340-7	Sequence 7, Appl
c 93	145	100.0	7405	14	US-10-340-112-2	Sequence 2, Appl	c 166	110	75.9	4999	9	US-09-740-211-14	Sequence 14, Appl
c 94	145	100.0	7405	14	US-10-340-112-2	Sequence 2, Appl	c 167	110	75.9	4999	9	US-09-740-211-14	Sequence 14, Appl
c 95	145	100.0	7492	14	US-10-267-117-5	Sequence 5, Appl	c 168	110	75.9	4999	13	US-10-007-968-14	Sequence 14, Appl
c 96	145	100.0	7492	14	US-10-267-117-5	Sequence 5, Appl	c 169	110	75.9	4999	13	US-10-007-968-14	Sequence 14, Appl
c 97	145	100.0	7492	14	US-10-340-112-5	Sequence 5, Appl	c 170	110	75.9	4999	14	US-10-293-400-14	Sequence 14, Appl
c 98	145	100.0	7492	14	US-10-340-112-5	Sequence 5, Appl	c 171	110	75.9	4999	14	US-10-293-400-14	Sequence 14, Appl
c 99	145	100.0	7914	13	US-10-095-718-3	Sequence 3, Appl	c 172	110	75.9	5418	20	US-10-452-878-3	Sequence 3, Appl
c 100	145	100.0	7914	13	US-10-095-718-3	Sequence 3, Appl	c 173	110	75.9	5418	20	US-10-452-878-3	Sequence 3, Appl
c 101	145	100.0	7944	13	US-10-681-970-3	Sequence 1, Appl	c 174	110	75.9	5437	21	US-10-604-340-1	Sequence 1, Appl
c 102	145	100.0	7944	13	US-10-095-718-1	Sequence 1, Appl	c 175	110	75.9	5437	21	US-10-604-340-1	Sequence 1, Appl
c 103	145	100.0	8698	9	US-09-770-315-2	Sequence 2, Appl	c 176	110	75.9	6437	21	US-10-604-340-3	Sequence 3, Appl
c 104	144	99.3	8484	10	US-09-845-416-35	Sequence 35, Appl	c 177	110	75.9	6437	21	US-10-604-340-3	Sequence 3, Appl
c 105	144	99.3	7914	13	US-10-095-718-3	Sequence 3, Appl	c 178	110	75.9	6437	21	US-10-604-340-3	Sequence 3, Appl
c 106	144	99.3	7914	13	US-10-681-970-3	Sequence 3, Appl	c 179	110	75.9	7648	17	US-10-176-066-1	Sequence 1, Appl
c 107	144	99.3	7944	13	US-10-095-718-1	Sequence 1, Appl	c 180	110	75.9	8092	17	US-10-176-066-2	Sequence 2, Appl
c 108	144	99.3	7944	13	US-10-681-970-1	Sequence 1, Appl	c 181	110	75.9	8092	17	US-10-176-066-2	Sequence 2, Appl
c 109	143.4	98.9	272	13	US-10-054-665-4	Sequence 4, Appl	c 182	110	75.9	8509	14	US-10-255-527-1	Sequence 1, Appl
c 110	138.6	98.6	272	13	US-10-054-665-6	Sequence 6, Appl	c 183	110	75.9	8509	14	US-10-255-527-1	Sequence 1, Appl
c 111	133	91.7	144	19	US-10-669-641-1	Sequence 1, Appl	c 184	110	75.9	9600	16	US-10-278-751-1	Sequence 1, Appl
c 112	130	89.7	130	9	US-09-928-1588-1	Sequence 1, Appl	c 185	110	75.9	10398	9	US-09-757-673-1	Sequence 1, Appl
c 113	125	86.2	144	21	US-10-501-756-13	Sequence 13, Appl	c 186	110	75.9	10398	9	US-09-757-673-1	Sequence 1, Appl
c 114	125	86.2	145	15	US-10-240-198-2	Sequence 2, Appl	c 187	110	75.9	10398	9	US-09-757-673-1	Sequence 1, Appl
c 115	124.2	85.7	272	13	US-10-054-665-6	Sequence 6, Appl	c 188	110	75.9	10398	9	US-09-242-977-1	Sequence 1, Appl
c 116	123.4	85.1	191	18	US-10-362-906-4	Sequence 4, Appl	c 189	110	75.9	10398	9	US-09-923-726-1	Sequence 1, Appl
c 117	119.4	82.3	272	13	US-10-054-665-4	Sequence 4, Appl	c 190	110	75.9	10398	9	US-09-923-726-1	Sequence 1, Appl
c 118	119.4	82.3	6514	13	US-10-090-983-1	Sequence 1, Appl	c 191	110	75.9	11933	9	US-09-740-211-13	Sequence 13, Appl
c 119	117.8	81.2	145	15	US-10-240-198-2	Sequence 2, Appl	c 192	110	75.9	11933	9	US-09-740-211-13	Sequence 13, Appl
c 120	117.8	81.2	165	13	US-10-054-665-7	Sequence 7, Appl	c 193	110	75.9	11933	13	US-10-007-968-13	Sequence 13, Appl
c 121	117.8	81.2	165	16	US-10-159-968-13	Sequence 13, Appl	c 194	110	75.9	11933	13	US-10-007-968-13	Sequence 13, Appl
c 122	117.8	81.2	177	17	US-10-276-356-1	Sequence 1, Appl	c 195	110	75.9	11933	14	US-10-293-400-13	Sequence 13, Appl
c 123	117.8	81.2	207	15	US-10-023-208-58	Sequence 58, Appl	c 196	110	75.9	11933	14	US-10-293-400-13	Sequence 13, Appl
c 124	117.8	81.2	4675	9	US-09-782-378A-1	Sequence 1, Appl	c 197	109.8	75.7	174	174	US-10-362-906-6	Sequence 6, Appl
c 125	117.8	81.2	4675	9	US-09-782-378A-2	Sequence 2, Appl	c 198	109.6	75.6	4722	19	US-10-427-129-3	Sequence 3, Appl
c 126	117.8	81.2	4675	15	US-10-240-198-1	Sequence 1, Appl	c 199	109	75.2	505	13	US-10-054-665-3	Sequence 3, Appl
c 127	117.8	81.2	4675	15	US-10-291-583-7	Sequence 7, Appl	c 200	109	75.2	505	13	US-10-054-665-3	Sequence 3, Appl
c 128	117.8	81.2	4675	15	US-10-291-583-7	Sequence 7, Appl	c 201	108.8	75.0	4721	15	US-10-291-583-1	Sequence 1, Appl
c 129	117.8	81.2	4675	19	US-10-427-129-2	Sequence 2, Appl	c 202	108	74.5	5610	13	US-10-090-983-2	Sequence 2, Appl
c 130	117.8	81.2	4679	9	US-09-804-898-1	Sequence 1, Appl	c 203	108	74.5	5610	13	US-10-090-983-2	Sequence 2, Appl
c 131	117.8	81.2	4679	9	US-09-945-681-10	Sequence 10, Appl	c 204	108	74.5	5974	13	US-10-090-983-8	Sequence 8, Appl
c 132	117.8	81.2	4679	13	US-10-038-972A-12	Sequence 12, Appl	c 205	108	74.5	5974	13	US-10-090-983-8	Sequence 8, Appl
c 133	117.8	81.2	4679	16	US-10-136-819-6	Sequence 6, Appl	c 206	108	74.5	7015	9	US-09-770-315-1	Sequence 1, Appl
c 134	117.8	81.2	4680	13	US-10-077-294-1	Sequence 1, Appl	c 207	108	74.5	7015	9	US-09-770-315-1	Sequence 1, Appl
c 135	117.8	81.2	4680	13	US-10-163-886-1	Sequence 1, Appl	c 208	108	74.5	7096	13	US-10-090-983-3	Sequence 3, Appl
c 136	117.8	81.2	4680	14	US-10-263-127-1	Sequence 1, Appl	c 209	108	74.5	7096	13	US-10-090-983-3	Sequence 3, Appl
c 137	117.8	81.2	4680	15	US-10-375-777-1	Sequence 1, Appl	c 210	108	74.5	7557	9	US-09-770-315-3	Sequence 3, Appl
c 138	117.8	81.2	6081	15	US-10-294-957-18	Sequence 18, Appl	c 211	108	74.5	7557	9	US-09-770-315-3	Sequence 3, Appl
c 139	117.8	81.2	8698	9	US-09-770-315-2	Sequence 2, Appl	c 212	107.4	74.1	145	20	US-10-837-029-4	Sequence 4, Appl
c 140	116.8	80.6	144	21	US-10-501-756-13	Sequence 6, Appl	c 213	107.4	74.1	4718	15	US-10-291-583-6	Sequence 6, Appl
c 141	116.2	80.1	191	18	US-10-362-906-4	Sequence 4, Appl	c 214	107.4	74.1	4718	18	US-10-696-261-1	Sequence 1, Appl
c 142	114.6	79.0	4681	18	US-10-696-261-18	Sequence 18, Appl	c 215	107.4	74.1	4718	18	US-10-696-261-1	Sequence 1, Appl
c 143	114.6	79.0	4681	18	US-10-696-282-18	Sequence 18, Appl	c 216	107.4	74.1	4718	18	US-10-696-282-1	Sequence 1, Appl
c 144	114.6	79.0	4681	18	US-10-696-900-18	Sequence 18, Appl	c 217	107.4	74.1	4718	19	US-10-427-129-1	Sequence 1, Appl
c 145	114.4	78.9	300	13	US-10-054-665-5	Sequence 5, Appl	c 218	107.4	74.1	4718	21	US-10-959-017-3	Sequence 3, Appl
c 146	111.4	76.8	9600	16	US-10-278-751-1	Sequence 1, Appl	c 219	105.8	73.0	4683	18	US-10-696-261-19	Sequence 19, Appl
c 147	110.6	76.3	145	20	US-10-837-029-5	Sequence 5, Appl	c 220	105.8	73.0	4683	18	US-10-696-261-19	Sequence 19, Appl
c 148	110.6	76.3	4722	19	US-10-427-129-3	Sequence 3, Appl	c 221	105.8	73.0	4683	18	US-10-696-261-19	Sequence 19, Appl
c 149	110.6	76.3	4726	15	US-10-291-583-8	Sequence 8, Appl	c 222	105	72.4	345	13	US-10-054-665-9	Sequence 9, Appl
c 150	110.6	76.3	4726	21	US-10-959-017-4	Sequence 4, Appl	c 223	104.2	71.9	4683	19	US-10-427-129-6	Sequence 6, Appl
c 151	110.4	76.1	6514	13	US-10-090-983-1	Sequence 1, Appl	c 224	104.2	71.9	4683	21	US-10-959-017-2	Sequence 2, Appl
c 152	110	75.9	3589	21	US-10-604-340-8	Sequence 8, Appl	c 225	100.8	69.5	145	20	US-10-837-029-6	Sequence 6, Appl
c 153	110	75.9	3589	21	US-10-604-340-8	Sequence 8, Appl	c 226	100.8	69.5	4721	15	US-10-291-583-1	Sequence 1, Appl



Qy	1	TTGGCCACTCCCTCTCTCTGCGCCTCGCTCGCTCACTAGAGCCGGGCGACCAAAAGGTCGCC	60
Db	1	TTGGCCACTCCCTCTCTGCGCCTCGCTCGCTCACTAGAGCCGGGCGACCAAAAGGTCGCC	60
Qy	61	CGAGCGCCGGGGCTTTGCCCGGGGGCCCTCAGTAGCGAGCGAGCGCCGACAGAGGGAGTGC	120
Db	61	CGAGCGCCGGGGCTTTGCCCGGGGGCCCTCAGTAGCGAGCGAGCGCCGACAGAGGGAGTGC	120
Qy	121	GCCAACTCCATCACTAGGGGTTTCCT	145
Db	121	GCCAACTCCATCACTAGGGGTTTCCT	145

```

RESULT 3
US-10-837-029-11
; Sequence 11, Application US/10837029
; Publication No. US20040248301A1
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; TITLE OF INVENTION: ADENO ASSOCIATED VIRUS VECTORS WITH
; TITLE OF INVENTION: INTRAVECTOR HETEROLOGOUS TERMINAL PALINDROMIC SEQUENCES
; FILE REFERENCE: 875.105US1
; CURRENT APPLICATION NUMBER: US/10/837,029
; CURRENT FILING DATE: 2004-04-30
; PRIOR APPLICATION NUMBER: US 10/194,421
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: US 60/305,204
; PRIOR FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 145
; TYPE: DNA
; ORGANISM: Adeno-associated virus
US-10-837-029-11

```

```

RESULT 4
US-10-501-756-12
; Sequence 12, Application US/10501756
; Publication No. US20050112765A1
; GENERAL INFORMATION:
; APPLICANT: Duke University
; APPLICANT: Chuan-Yuan, Li
; APPLICANT: Xiuwu, Zhang
; TITLE OF INVENTION: GENERATION OF RECOMBINANT ADENO-ASSOCIATED VIRAL VECTORS BY A COMPLETE ADENOVIRUS-MEDIATED APPROACH
; FILE REFERENCE: 180/137
; CURRENT APPLICATION NUMBER: US/10/501,756
; CURRENT FILING DATE: 2004-07-16
; PRIOR APPLICATION NUMBER: US 60/349,532
; PRIOR FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 12
; LENGTH: 145
; TYPE: DNA

```

```

; ORGANISM: adeno-associated virus 2
US-10-501-756-12

Query Match      100.0%; Score 145; DB 21; Length 145;
Best Local Similarity 100.0%; Pred. No. 5.6e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  TTGGCCACTCCCTCTCTGCGGCTCGCTCACTGAGGCCGGGCCACCAAAAGGTGCC 60
Db      1  TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTGAGGCCGGGCCACCAAAAGGTGCC 60

Qy      61  CGAGCCCGGGCTTTGGCCGGGGCGGCTCTAGTGTAGCGAGCGCCGAGAGGGAGTG 120
Db      61  CGAGCCCGGGCTTTGGCCGGGGCGGCTCTAGTGTAGCGAGCGCCGAGAGGGAGTG 120

Qy      121  GCCAACTCCATCACTAGGGGTTCT 145
Db      121  GCCAACTCCATCACTAGGGGTTCT 145

```

```

RESULT 5
US-10-135-984-8
; Sequence 8, Application US/10135984
; Publication No. US20020182595A1
; GENERAL INFORMATION:
; APPLICANT: Matthew D. Weitzman
; APPLICANT: Anton J. Cathomen
; TITLE OF INVENTION: METHOD OF IDENTIFYING CELLULAR
; TITLE OF INVENTION: REGULATORS OF ADENO-ASSOCIATED VIRUS (AAV)
; FILE REFERENCE: SALKINS.041A
; CURRENT APPLICATION NUMBER: US/10/135,984
; CURRENT FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: 60/286951
; PRIOR FILING DATE: 2001-04-27
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 146
; TYPE: DNA
; ORGANISM: adeno-associated virus
US-10-135-984-8

```

RESULT 6  
US-09-782-378A-8  
; Sequence 8, Application US/09782378A  
; Patent No. US2002102731A1  
; GENERAL INFORMATION:  
; APPLICANT: Hearing, Patrick  
; APPLICANT: Bahou, Wadie  
; APPLICANT: Satalon, Ziv  
; APPLICANT: Gnatenko, Dmitri  
; TITLE OF INVENTION: Adenoviral Vectors  
; FILE REFERENCE: STONYB-04970  
; CURRENT APPLICATION NUMBER: US/09/782,378A  
; CURRENT FILING DATE: 2001-02-12  
; PRIOR APPLICATION NUMBER: 60/237,747



```
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-782-378A-8

Query Match      100.0%; Score 145; DB 9; Length 165;
Best Local Similarity 100.0%; Pred. No. 5.5e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTCGCC 60
Db 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTCGCC 80

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGGAGCGCGGCGAGAGGGAGTG 120
Db 81 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGGAGCGGCGGCGAGAGGGAGTG 140

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 141 GCCAACTCCATCACTAGGGGTTCT 165

RESULT 7
US-10-054-665-7
; Sequence 7, Application US/10054665
; Publication No. US20020197237A1
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US2
; CURRENT APPLICATION NUMBER: US/10/054,665
; CURRENT FILING DATE: 2002-06-13
; PRIOR APPLICATION NUMBER: US 09/276,625
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 5,478,745
US-10-054-665-7

Query Match      100.0%; Score 145; DB 13; Length 165;
Best Local Similarity 100.0%; Pred. No. 5.5e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTCGCC 60
Db 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTCGCC 80

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGGAGCGGCGGCGAGAGGGAGTG 120
Db 81 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGGAGCGGCGGCGGAGAGGGAGTG 140

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 141 GCCAACTCCATCACTAGGGGTTCT 165

RESULT 8
US-10-159-968-13/c
; Sequence 13, Application US/10159968
; Publication No. US20030152914A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Kaplitt, Michael G.
; APPLICANT: Musatov, Serge
; TITLE OF INVENTION: Method for Generating Replication
; TITLE OF INVENTION: Defective Viral Vectors That are Helper Free
; FILE REFERENCE: 600-1-286
; CURRENT APPLICATION NUMBER: US/10/159,968
; CURRENT FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 60/294,797
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: US 60/313,007
; PRIOR FILING DATE: 2001-08-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Adeno-associated virus
US-10-159-968-13

Query Match      100.0%; Score 145; DB 16; Length 165;
Best Local Similarity 100.0%; Pred. No. 5.5e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTCGCC 60
Db 145 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTCGCC 86

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGGAGCGGCGGCGAGAGGGAGTG 120
Db 85 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGGAGCGGCGGCGAGAGGGAGTG 26

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 25 GCCAACTCCATCACTAGGGGTTCT 1

RESULT 9
US-10-669-641-3
; Sequence 3, Application US/10669641
; Publication No. US20040137626A1
; GENERAL INFORMATION:
; APPLICANT: WAGNER, THOMAS E.
; APPLICANT: YU, XIANXUANG
; TITLE OF INVENTION: AAV ITR-MEDIATED MODULATION
; FILE REFERENCE: 035879-0165
; CURRENT APPLICATION NUMBER: US/10/669,641
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/413,450
; PRIOR FILING DATE: 2002-09-26
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 3
; LENGTH: 170
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic AAV
; OTHER INFORMATION: ITR nucleotide sequence
US-10-669-641-3

Query Match      100.0%; Score 145; DB 19; Length 170;
Best Local Similarity 100.0%; Pred. No. 5.5e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGAGCAAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGGAGCGGCGGCGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGGAGCGGCGGCGAGAGGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
```

```
Db      121 GCCAACTCCATCACTAGGGGTTCT 145
|||||
US-10-276-356-1/c
; Sequence 1, Application US/10276356
; Publication No. US20040029106A1
; GENERAL INFORMATION:
; APPLICANT: University of No. US20040029106A1th Carolina at Chapel Hill
; APPLICANT: Samulski, R. Jude
; APPLICANT: McGarty, Douglas M.
; TITLE OF INVENTION: DUPLEXED PARVOVIRUS VECTORS
; FILE REFERENCE: 5470-282
; CURRENT APPLICATION NUMBER: US/10/276,356
; CURRENT FILING DATE: 2001-05-31
; PRIOR FILING DATE: 2001-05-31
; PRIOR FILING DATE: 2001-05-31
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 175
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Inverted terminal repeat from the AAV-2 vector plasmid pSub 201
US-10-276-356-1

Query Match      100.0%; Score 145; DB 17; Length 175;
Best Local Similarity 100.0%; Pred. No. 5.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGGCCACTCCCTCTCTGCGGCGCTCGCTCACTAGAGCGCGGCGGACCAAAAGTTCGCC 60
Db      150 TTGGCCACTCCCTCTCTGCGGCGCTCGCTCACTAGAGCGCGGCGGACCAAAAGTTCGCC 91

QY      61 CGACGCCCGGGCTTTGCCCGGGCGCTCACTAGAGCGGCGGCGGACCAAAAGTTCGCC 120
Db      90 CGACGCCCGGGCTTTGCCCGGGCGCTCACTAGAGCGGCGGCGGACCAAAAGTTCGCC 31

QY      121 GCCAACTCCATCACTAGGGGTTCT 145
Db      30 GCCAACTCCATCACTAGGGGTTCT 6

RESULT 11
US-10-023-208-58
; Sequence 58, Application US/10023208
; Publication No. US20030124537A1
; GENERAL INFORMATION:
; APPLICANT: Li, Min
; APPLICANT: Liu, Yuan-Ching
; TITLE OF INVENTION: PROCARYOTIC LIBRARIES AND USES
; FILE REFERENCE: A-70174-1/RFT/RMS/RWK
; CURRENT APPLICATION NUMBER: US/10/023,208
; CURRENT FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: US 60/256,163
; PRIOR FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 58
; LENGTH: 207
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: synthetic enzyme attachment site sequence
US-10-023-208-58

Query Match      100.0%; Score 145; DB 15; Length 207;
Best Local Similarity 100.0%; Pred. No. 5.3e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGGCCACTCCCTCTCTGCGGCGCTCGCTCACTAGAGCGGCGGCGGACCAAAAGTTCGCC 60
```

```
Db      42 TTGGCCACTCCCTCTCTGCGGCGCTCGCTCACTAGAGCGGCGGCGGACCAAAAGTTCGCC 101
QY      61 CGACGCCCGGGCTTTGCCCGGGCGCTCACTAGAGCGGCGGCGGACCAAAAGTTCGCC 120
Db      102 CGACGCCCGGGCTTTGCCCGGGCGCTCACTAGAGCGGCGGCGGACCAAAAGTTCGCC 161
QY      121 GCCAACTCCATCACTAGGGGTTCT 145
Db      162 GCCAACTCCATCACTAGGGGTTCT 186

RESULT 12
US-09-845-416-26
; Sequence 26, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 26
; LENGTH: 955
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-26

Query Match      100.0%; Score 145; DB 10; Length 955;
Best Local Similarity 100.0%; Pred. No. 4.3e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGGCCACTCCCTCTCTGCGGCGCTCGCTCACTAGAGCGGCGGCGGACCAAAAGTTCGCC 60
Db      1 TTGGCCACTCCCTCTCTGCGGCGCTCGCTCACTAGAGCGGCGGCGGACCAAAAGTTCGCC 60

QY      61 CGACGCCCGGGCTTTGCCCGGGCGCTCACTAGAGCGGCGGCGGACCAAAAGTTCGCC 120
Db      61 CGACGCCCGGGCTTTGCCCGGGCGCTCACTAGAGCGGCGGCGGACCAAAAGTTCGCC 120
QY      121 GCCAACTCCATCACTAGGGGTTCT 145
Db      121 GCCAACTCCATCACTAGGGGTTCT 145

RESULT 13
US-09-845-416-26/c
; Sequence 26, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 26
; LENGTH: 955
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-26

Query Match      100.0%; Score 145; DB 10; Length 955;
Best Local Similarity 100.0%; Pred. No. 4.3e-35;
```



```
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-32

Query Match      100.0%; Score 145; DB 10; Length 4414;
Best Local Similarity 100.0%; Pred. No. 3.5e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAAGGTCGCC 60
Db 4414 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAAGGTCGCC 4355

QY 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGGCGGCGGAGGAGGAGTG 120
Db 4354 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGGCGGCGGAGGAGGAGTG 4295

QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 4294 GCCAACTCCATCACTAGGGGTTTCCT 4270

RESULT 18
US-09-845-416-31
; Sequence 31, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 31
; LENGTH: 4476
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-31

Query Match      100.0%; Score 145; DB 10; Length 4476;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAAGGTCGCC 60
Db 4414 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAAGGTCGCC 4355

QY 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGGCGGCGGAGGAGGAGTG 120
Db 4354 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGGCGGCGGAGGAGGAGTG 4295

QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 4294 GCCAACTCCATCACTAGGGGTTTCCT 4270

RESULT 19
US-09-845-416-31/c
; Sequence 31, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36

; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 31
; LENGTH: 4476
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-31

Query Match      100.0%; Score 145; DB 10; Length 4476;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAAGGTCGCC 60
Db 4414 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAAGGTCGCC 4355

QY 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGGCGGCGGAGGAGGAGTG 120
Db 4354 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGGCGGCGGAGGAGGAGTG 4295

QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 4294 GCCAACTCCATCACTAGGGGTTTCCT 4270

RESULT 20
US-09-845-416-30
; Sequence 30, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 30
; LENGTH: 4498
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-30

Query Match      100.0%; Score 145; DB 10; Length 4498;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAAGGTCGCC 60
Db 4414 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGGCGGCGGAGGAGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGGCGGCGGAGGAGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 121 GCCAACTCCATCACTAGGGGTTTCCT 145

RESULT 21
US-09-845-416-30/c
; Sequence 30, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; NUMBER OF SEQ ID NOS: 36
```

; PRIOR APPLICATION NUMBER: 60/200,777  
; PRIOR FILING DATE: 2000-04-28  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 30  
; LENGTH: 4498  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-845-416-30

Query Match 100.0%; Score 145; DB 10; Length 4498;  
Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAGGTGCGCC 60  
Db TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAGGTGCGCC 4439  
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGGAGCGCGCGAGAGGGAGTG 120  
Db CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGGAGCGCGCGAGAGGGAGTG 4379  
QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145  
Db GCCAACTCCATCACTAGGGGTTTCCT 4354

RESULT 22  
US-09-782-378A-1  
; Sequence 1, Application US/09782378A  
; Patent No. US20020102731A1  
; GENERAL INFORMATION:  
; APPLICANT: Hearing, Patrick  
; APPLICANT: Bahou, Wadie  
; APPLICANT: Sandalon, Ziv  
; APPLICANT: Gnatenko, Dmitri  
; TITLE OF INVENTION: Adenoviral Vectors  
; FILE REFERENCE: STONYB-04970  
; CURRENT APPLICATION NUMBER: US/09/782,378A  
; CURRENT FILING DATE: 2001-02-12  
; PRIOR APPLICATION NUMBER: 60/237,747  
; PRIOR FILING DATE: 2000-10-02  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1  
; TYPE: DNA  
; ORGANISM: Human adeno-associated virus 2  
US-09-782-378A-1

Query Match 100.0%; Score 145; DB 9; Length 4675;  
Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAGGTGCGCC 60  
Db TTGGCCACTCCCTCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAGGTGCGCC 60  
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGGAGCGCGCGAGAGGGAGTG 120  
Db CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGGAGCGCGCGAGAGGGAGTG 120  
QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145  
Db GCCAACTCCATCACTAGGGGTTTCCT 145

RESULT 23  
US-09-782-378A-2  
; Sequence 2, Application US/09782378A  
; Patent No. US20020102731A1  
; GENERAL INFORMATION:  
; APPLICANT: Hearing, Patrick

; APPLICANT: Bahou, Wadie  
; APPLICANT: Sandalon, Ziv  
; APPLICANT: Gnatenko, Dmitri  
; TITLE OF INVENTION: Adenoviral Vectors  
; FILE REFERENCE: STONYB-04970  
; CURRENT APPLICATION NUMBER: US/09/782,378A  
; CURRENT FILING DATE: 2001-02-12  
; PRIOR APPLICATION NUMBER: 60/237,747  
; PRIOR FILING DATE: 2000-10-02  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 2  
; LENGTH: 4675  
; TYPE: DNA  
; ORGANISM: Human adeno-associated virus 2  
US-09-782-378A-2

Query Match 100.0%; Score 145; DB 9; Length 4675;  
Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTGGCCACTCCCTCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAGGTGCGCC 60  
Db TTGGCCACTCCCTCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAGGTGCGCC 60  
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGGAGCGCGCGAGAGGGAGTG 120  
Db CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGGAGCGCGCGAGAGGGAGTG 120  
QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145  
Db GCCAACTCCATCACTAGGGGTTTCCT 145

RESULT 24  
US-10-240-198-1  
; Sequence 1, Application US/10240198  
; Publication No. US20030100115A1  
; GENERAL INFORMATION:  
; APPLICANT: BTG International Ltd  
; APPLICANT: BEARD DR, PETER  
; APPLICANT: RAJ DR, KENNETH  
; TITLE OF INVENTION: CYTOTOXIC AGENTS  
; FILE REFERENCE: 142184WO  
; CURRENT APPLICATION NUMBER: US/10/240,198  
; CURRENT FILING DATE: 2002-09-30  
; PRIOR APPLICATION NUMBER: 0009887.1  
; PRIOR FILING DATE: 2000-04-20  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 4675  
; TYPE: DNA  
; ORGANISM: adeno-associated virus 2  
US-10-240-198-1

Query Match 100.0%; Score 145; DB 15; Length 4675;  
Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTGGCCACTCCCTCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAGGTGCGCC 60  
Db TTGGCCACTCCCTCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAGGTGCGCC 60  
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGGAGCGCGCGAGAGGGAGTG 120  
Db CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGGAGCGCGCGAGAGGGAGTG 120  
QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145  
Db GCCAACTCCATCACTAGGGGTTTCCT 145

RESULT 25

US-10-291-583-7

Sequence 7, Application US/10291583

Publication No. US20030138772A1

GENERAL INFORMATION:

APPLICANT: Gao, Guangping

APPLICANT: Wilson, James M.

APPLICANT: Alvirá, Mauricio

TITLE OF INVENTION: A Method of Detecting and/or Identifying Adeno-Associated Virus (AAV) Sequences and Isolating No. US20030138772A1el Sequences Identifying

FILE REFERENCE: UN-02733USA

CURRENT APPLICATION NUMBER: US/10/291,583

CURRENT FILING DATE: 2002-11-12

PRIOR APPLICATION NUMBER: US 60/350,607

PRIOR FILING DATE: 2001-11-13

PRIOR APPLICATION NUMBER: US 60/341,117

PRIOR FILING DATE: 2001-12-17

PRIOR APPLICATION NUMBER: US 60/377,066

PRIOR FILING DATE: 2002-05-01

PRIOR APPLICATION NUMBER: US 60/386,675

PRIOR FILING DATE: 2002-06-05

NUMBER OF SEQ ID NOS: 120

SOFTWARE: PatentIn version 3.1

SEQ ID NO 7

LENGTH: 4675

TYPE: DNA

ORGANISM: adeno-associated virus serotype 2

US-10-291-583-7

Query Match 100.0%; Score 145; DB 15; Length 4675;

Best Local Similarity 100.0%; Pred. No. 3.4e-35;

Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTAGGCGCGGCGACCAAGGTCGCC 60

Db 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTAGGCGCGGCGACCAAGGTCGCC 60

Qy 61 CGAGCCCGCGGCTTTGCGCGGCGGCTCGCTAGTGAAGCGGCGGCGGCGGAGTG 120

Db 61 CGAGCCCGCGGCTTTGCGCGGCGGCTCGCTAGTGAAGCGGCGGCGGAGTG 120

Qy 121 GCCAACTCCATCACTAGGGTTTCCT 145

Db 121 GCCAACTCCATCACTAGGGTTTCCT 145

RESULT 26

US-10-427-129-2

Sequence 2, Application US/10427129

Publication No. US20040101514A1

GENERAL INFORMATION:

APPLICANT: Liu, Yuhong

APPLICANT: Luo, Jia

APPLICANT: During, Matthew

TITLE OF INVENTION: High Transgene Expression of A Pseudotyped Adeno-Associated Virus

FILE REFERENCE: 102182-24

CURRENT APPLICATION NUMBER: US/10/427,129

CURRENT FILING DATE: 2003-05-01

PRIOR APPLICATION NUMBER: 09/804,898

PRIOR FILING DATE: 2001-03-13

PRIOR APPLICATION NUMBER: 60/189,110

PRIOR FILING DATE: 2000-03-14

NUMBER OF SEQ ID NOS: 15

SOFTWARE: PatentIn version 3.0

SEQ ID NO 2

LENGTH: 4675

TYPE: DNA

ORGANISM: adeno-associated virus 2

US-10-427-129-2

Query Match 100.0%; Score 145; DB 19; Length 4675;

Best Local Similarity 100.0%; Pred. No. 3.4e-35;

Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTAGGCGCGGCGGAGTG 120

Db 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTAGGCGCGGCGGAGTG 120

Qy 61 CGAGCCCGCGGCTTTGCGCGGCGGCTCGCTAGTGAAGCGGCGGCGGAGTG 120

Db 61 CGAGCCCGCGGCTTTGCGCGGCGGCTCGCTAGTGAAGCGGCGGCGGAGTG 120

Qy 121 GCCAACTCCATCACTAGGGTTTCCT 145

Db 121 GCCAACTCCATCACTAGGGTTTCCT 145

```
Query Match      100.0%; Score 145; DB 9; Length 4679;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGGGGACCAAAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGGGGACCAAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
DB 121 GCCAACTCCATCACTAGGGGTTCT 145

RESULT 29
US-10-038-972A-12
; Sequence 12, Application US/10038972A
; Publication No. US20020192823A1
; GENERAL INFORMATION:
; APPLICANT: J. Bartlett
; TITLE OF INVENTION: AAV VECTORS AND METHODS
; FILE REFERENCE: 28335/36996US
; CURRENT APPLICATION NUMBER: US/10/038,972A
; PRIOR FILING DATE: 2002-01-04
; PRIOR APPLICATION NUMBER: US 60/260,124
; PRIOR FILING DATE: 2001-01-05
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; TYPE: DNA
; LENGTH: 4679
; ORGANISM: adeno-associated virus 2
US-10-038-972A-12

Query Match      100.0%; Score 145; DB 13; Length 4679;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGGGGACCAAAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGGGGACCAAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
DB 121 GCCAACTCCATCACTAGGGGTTCT 145

RESULT 30
US-10-136-819-6
; Sequence 6, Application US/10136819
; Publication No. US20030166593A1
; GENERAL INFORMATION:
; APPLICANT: Chien, Kenneth
; APPLICANT: Hoshijima, Masahiko
; TITLE OF INVENTION: No. US20030166593A1-viral vesicle vector for cardiac specific gene
; FILE REFERENCE: 6627-PA1198
; CURRENT APPLICATION NUMBER: US/10/136,819
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: 60/287,423
; PRIOR FILING DATE: 2001-04-30
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 4679
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
```

```
US-10-136-819-6

Query Match      100.0%; Score 145; DB 16; Length 4679;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGGGGACCAAAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGGGGACCAAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
DB 121 GCCAACTCCATCACTAGGGGTTCT 145

RESULT 31
US-10-077-294-1
; Sequence 1, Application US/10077294
; Publication No. US20020159979A1
; GENERAL INFORMATION:
; APPLICANT: Johnson, Philip R.
; TITLE OF INVENTION: Adeno-Associated Virus Materials and Methods
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/10/077,294
; APPLICATION NUMBER: US/10/077,294
; FILING DATE: 15-Feb-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/691,604
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: No. US20020159979A1and, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 31975
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; TELEFAX: (312) 474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4680 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-077-294-1

Query Match      100.0%; Score 145; DB 13; Length 4680;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGGGGACCAAAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGGGGACCAAAAGGTCGCC 60
```





CORRESPONDENCE ADDRESS:  
ADDRESSES: Marshall, O'Toole, Gerstein, Murray & Borun  
STREET: 6300 Sears Tower, 233 S. Wacker Drive  
CITY: Chicago  
STATE: Illinois  
COUNTRY: USA  
ZIP: 60606

	Query Match	100.0%	Score 145;	DB 15;	Length 4680;
	Best Local Similarity	100.0%;	Pred. No. 3.4e-35;		
	Matches 145;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
1	TTTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAAGTGC	60			
1	TTTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAAGTGC	60			
61	CGACGCCCGGGGCTTTGGCCCGCGCGGCGCTCAGTGAGCGAGCGCGCAGAGAGGAGTG	120			
61	CGACGCCCGGGGCTTTGGCCCGCGCGGCGCTCAGTGAGCGAGCGCGCAGAGAGGAGTG	120			
121	GCCAACTCCATCACTAGGGGTTTCCT	145			
121	GCCAACTCCATCACTAGGGGTTTCCT	145			

RESULT 35  
US-10-696-261-18  
; Sequence 18, Application US/10896261  
; Publication No. US20040057931A1  
; GENERAL INFORMATION:  
; APPLICANT: Wilson, James M.  
; APPLICANT: Xiao, Weidong  
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,  
; TITLE OF INVENTION: Vectors and Host Cells Containing Same  
; FILE REFERENCE: GNPVN.031USA  
; CURRENT APPLICATION NUMBER: US/10/696,261  
; CURRENT FILING DATE: 2003-10-29  
; PRIOR APPLICATION NUMBER: US/09/807,802A  
; PRIOR FILING DATE: 2002-02-21  
; PRIOR APPLICATION NUMBER: US 60/107,114  
; PRIOR FILING DATE: 1998-11-05  
; PRIOR APPLICATION NUMBER: PCT/US99/25694

```

; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 4681
; TYPE: DNA
; ORGANISM: AAV-2
US-10-696-261-18

```

	Query Match	100.0%	Score 145;	DB 18;	Length 4681;
	Best Local Similarity	100.0%;	Pred. No. 3,4e-35;		
	Matches 145;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGGCGACCAAGGTGCC	60		
Db	1	TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTGCC	60		
Qy	61	CGAGCGCCCGGGCTTTGCGCCGGCGGCTCACTGAGCGAGCGCGCAGAGAGGGAGTG	120		
Db	61	CGAGCGCCCGGGCTTTGCGCCGGCGGCTCACTGAGCGAGCGCGCGCAGAGAGGGAGTG	120		
Qy	121	GCCAACTCCATCACTAGGGGTTCCT	145		
Db	121	GCCAACTCCATCACTAGGGGTTCCT	145		

```

RESULT 36
US-10-696-282-18
; Sequence 18, Application US/10696282
; Publication No. US20040057932A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; APPLICANT: Xiao, Weidong
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
; TITLE OF INVENTION: Vectors and Host Cells Containing Same
; FILE REFERENCE: GNPVN 031USA
; CURRENT APPLICATION NUMBER: US/10/696,282
; CURRENT FILING DATE: 2003-10-29
; PRIOR APPLICATION NUMBER: US/09/807,802A
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: US 60/107,114
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: PCT/US99/25694
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 4681
; TYPE: DNA
; ORGANISM: AAV-2
US-10-696-282-18

```

	Query Match	100.0%;	Score 145;	DB 18;	Length 4681;
	Best Local Similarity	100.0%;	Pred. No. 3.4e-35;		
	Matches 145;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCC	60		
Db	1	TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCC	60		
Qy	61	CGAGCGCCGGGCTTTTGCCCGGGGGCGCTCAGTCAGCGAGCGCGCGCAGAGAGGGAGTG	120		
Db	61	CGAGCGCCGGGCTTTTGCCCGGGGGCGCTCAGTCAGCGAGCGCGCGCGCAGAGAGGGAGTG	120		
Qy	121	GCCAACTCCATCACTAGGGTTTCT	145		
Db	121	GCCAACTCCATCACTAGGGTTTCT	145		

RESULT 37  
US-10-696-900-18  
; Sequence 18, Application US/10696900  
; Publication No. US20040057933A1



```
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: AAV-6
US-10-696-900-19

Query Match      100.0%; Score 145; DB 18; Length 4683;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGAGCGCGGCGACCAAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGAGCGCGGCGACCAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTAGAGCGAGCGCGCGAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTAGAGCGAGCGCGCGAGAGGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
DB 121 GCCAACTCCATCACTAGGGGTTTCCT 145

RESULT 41
US-10-427-129-6
; Sequence 6, Application US/10427129
; Publication No. US20040101514A1
; GENERAL INFORMATION:
; APPLICANT: Luo, Yuhong
; APPLICANT: During, Matthew
; TITLE OF INVENTION: High Transgene Expression of A Pseudotyped Adeno-Associated Virus
; FILE REFERENCE: 102182-24
; CURRENT APPLICATION NUMBER: US/10/427,129
; PRIOR FILING DATE: 2003-05-01
; PRIOR APPLICATION NUMBER: 09/804,898
; PRIOR FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: 60/189,110
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-10-427-129-6

Query Match      100.0%; Score 145; DB 19; Length 4683;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGAGCGCGGCGACCAAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGAGCGCGGCGACCAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTAGAGCGAGCGCGCGAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTAGAGCGAGCGCGCGAGAGGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
DB 121 GCCAACTCCATCACTAGGGGTTTCCT 145

RESULT 42
US-10-959-017-2
; Sequence 2, Application US/10959017
; Publication No. US20050106125A1
; GENERAL INFORMATION:
; APPLICANT: PHILPOTT, NICOLA
; APPLICANT: PEDERSEN, ERIK S
; TITLE OF INVENTION: USE OF AAV INTEGRATION EFFICIENCY ELEMENT FOR MEDIATING
; TITLE OF INVENTION: SITE-SPECIFIC INTEGRATION OF A TRANSCRIPTION UNIT
; FILE REFERENCE: 230526
```

```
; CURRENT APPLICATION NUMBER: US/10/959,017
; CURRENT FILING DATE: 2004-10-05
; PRIOR APPLICATION NUMBER: PCT/US03/11191
; PRIOR FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US 60/371,044
; PRIOR FILING DATE: 2002-04-09
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: adeno-associated virus serotype 6
US-10-959-017-2

Query Match      100.0%; Score 145; DB 21; Length 4683;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGAGCGCGGCGACCAAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGAGCGCGGCGACCAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTAGAGCGAGCGCGCGAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTAGAGCGAGCGCGCGAGAGGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
DB 121 GCCAACTCCATCACTAGGGGTTTCCT 145

RESULT 43
US-09-845-416-29
; Sequence 29, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 4825
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-29

Query Match      100.0%; Score 145; DB 10; Length 4825;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGAGCGCGGCGACCAAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGAGCGCGGCGACCAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTAGAGCGAGCGCGCGAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTAGAGCGAGCGCGCGAGAGGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
DB 121 GCCAACTCCATCACTAGGGGTTTCCT 145

RESULT 44
US-09-845-416-29/c
; Sequence 29, Application US/09845416
; Publication No. US20030171312A1
```

```

; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 29
; LENGTH: 4825
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-29

Query Match      100.0%; Score 145; DB 10; Length 4825;
Best Local Similarity 100.0%; Pred. No. 3,4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1      TTGGCCACTCCCTCTCTGCGGGTCTGCTCTCACTGAGGCGGGGACCAAAAGGTCGCC 60
Db      4825  TTGGCCACTCCCCTCTCTGCGGGTCTGCTCTCACTGAGGCGGGGACCAAAAGGTCGCC 4766

Qy      61      CGAGCGCCGGGCTTTCGCCGGGGCGGCTCAGTGAGCGAGCGGCGCCAGAGGGGAGTG 120
Db      4765  CGAGCGCCGGGCTTTCGCCGGGGCGGCTCAGTGAGCGAGCGGCGCCAGAGGGGAGTG 4706

Qy      121     GCCAACTCCATCACTAGGGGTTCTT 145
Db      4705  GCCAACTCCATCACTAGGGGTTCTT 4681

```

```

RESULT 45
US-09-845-416--35/c
; Sequence 35, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 35
; LENGTH: 4848
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416--35

```

**RESULT 46**

```

US-09-845-416-28
; Sequence 28, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 28
; LENGTH: 4966
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-28

Query Match          100.0%; Score 145; DB 10; Length 4966;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0

Qy      1  TTGGCCACTCCCTCTCTGCGCGGTCTGCGTCTCAGTGAGCGCGGCGACCAAGGTGCC 60
Db      1  TTGGCCACTCCCTCTCTGCGCGGTCTGCGTCTCAGTGAGCGCGGCGACCAAGGTGCC 60

Qy      61  CGAGCGCCCGGGCTTTGGCCCGGGGGCGCTCAGTGAGCGAGCGCGCCAGAGAGGGAGTG 120
Db      61  CGAGCGCCCGGGCTTTGGCCCGGGGGCGCTCAGTGAGCGAGCGCGCCAGAGAGGGAGTG 120

Qy      121  GCCAACTCCATCACTAGGGGTTCCT 145
Db      121  GCCAACTCCATCACTAGGGGTTCCT 145

```

```

RESULT 47
US-09-845-416-28/c
; Sequence 28, Application US/09845416
; Publication No. US2003017132A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 28
; LENGTH: 4966
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-28

```

	Query Match	100.0%	Score 145;	DB 10;	Length 4966;
	Best Local Similarity	100.0%;	Pred. No. 3.4e-35;		
	Matches 145;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	TTTGCCACTCCCTCTCTGCGGCGTCGCTCAGTGGCGCGGCACCAAAAGGTGCC	60		
Db	4966	TTTGCCACTCCCTCTCTGCGGCGTCGCTCAGTGGCGCGGCACCAAAAGGTGCC	4907		
Qy	61	CGAGCCCCGGGCTTTTGCCCGGGCGGCTCAGTGGAGCGAGCGCGAGAGGGAGTG	120		
Db	4906	CGAGCCCCGGGCTTTGCGGGCGGCTCAGTGGAGCGAGCGCGAGAGGGAGTG	4847		
Qy	121	GCCAACTCCATCACTAGGGGTTCTCT	145		
Db	4846	GCCAACTCCATCACTAGGGGTTCTCT	4822		

```
RESULT 48
US-09-845-416-34
; Sequence 34, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 34
; LENGTH: 4990
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-34

Query Match      100.0%; Score 145; DB 10; Length 4990;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGCGCGCGGCGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGCGCGCGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120

QY 121 GCCAATCCATCACTAGGGTTTCCT 145
DB 121 GCCAATCCATCACTAGGGTTTCCT 145

RESULT 49
US-09-845-416-34/c
; Sequence 34, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 34
; LENGTH: 4990
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-34

Query Match      100.0%; Score 145; DB 10; Length 4990;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGCGCGCGGCGACCAAGGTCGCC 60
DB 4990 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGCGCGCGGCGACCAAGGTCGCC 4931

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120
DB 4930 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 4871
```

```
QY 121 GCCAATCCATCACTAGGGTTTCCT 145
DB 4870 GCCAATCCATCACTAGGGTTTCCT 4846

RESULT 50
US-09-845-416-36
; Sequence 36, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 36
; LENGTH: 5060
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-36

Query Match      100.0%; Score 145; DB 10; Length 5060;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGCGCGGCGGCGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGCGCGGCGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120

QY 121 GCCAATCCATCACTAGGGTTTCCT 145
DB 121 GCCAATCCATCACTAGGGTTTCCT 145

RESULT 51
US-09-845-416-36/c
; Sequence 36, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 36
; LENGTH: 5060
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-36

Query Match      100.0%; Score 145; DB 10; Length 5060;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGCGCGGCGGCGACCAAGGTCGCC 60
DB 5060 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGCGCGGCGGCGACCAAGGTCGCC 5001

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120
```



```
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-10-267-117-4

Query Match      100.0%; Score 145; DB 14; Length 5932;
Best Local Similarity 100.0%; Pred. No. 3.3e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 60
DB 3078 TTGGCCACTCCCTCTCTGGCGCTCGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 3019

QY 61 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 120
DB 3018 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 2959

QY 121 GCCAACTCCATCACTAGGGTTTCCT 145
DB 2958 GCCAACTCCATCACTAGGGTTTCCT 2934

RESULT 56
US-10-340-112-4
; Sequence 4, Application US/10340112
; Publication No. US20030095949A1
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/10/340,112
; PRIOR FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-10-340-112-4

Query Match      100.0%; Score 145; DB 14; Length 5932;
Best Local Similarity 100.0%; Pred. No. 3.3e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 60
DB 3078 TTGGCCACTCCCTCTCTGGCGCTCGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 3019

QY 61 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 120
DB 3018 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 2959

QY 121 GCCAACTCCATCACTAGGGTTTCCT 145
DB 2958 GCCAACTCCATCACTAGGGTTTCCT 2934

RESULT 57
US-10-340-112-4
; Sequence 4, Application US/10340112
; Publication No. US20030095949A1
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/10/340,112
; PRIOR FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-10-340-112-4

Query Match      100.0%; Score 145; DB 14; Length 5932;
Best Local Similarity 100.0%; Pred. No. 3.3e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 60
DB 18 TTGGCCACTCCCTCTCTGGCGCTCGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 77

QY 61 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 120
DB 78 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 137

QY 121 GCCAACTCCATCACTAGGGTTTCCT 145
DB 138 GCCAACTCCATCACTAGGGTTTCCT 162

RESULT 57
US-10-340-112-4/c
; Sequence 4, Application US/10340112
```

```
; Publication No. US20030095949A1
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/10/340,112
; PRIOR FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-10-340-112-4

Query Match      100.0%; Score 145; DB 14; Length 5932;
Best Local Similarity 100.0%; Pred. No. 3.3e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 60
DB 3078 TTGGCCACTCCCTCTCTGGCGCTCGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 3019

QY 61 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 120
DB 3018 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 2959

QY 121 GCCAACTCCATCACTAGGGTTTCCT 145
DB 2958 GCCAACTCCATCACTAGGGTTTCCT 2934

RESULT 58
US-10-294-957-18
; Sequence 18, Application US/10294957
; Publication No. US20030148519A1
; GENERAL INFORMATION:
; APPLICANT: Good, Paul D.
; APPLICANT: Engelke, David R.
; APPLICANT: Paul, Cynthia P.
; TITLE OF INVENTION: Intracellular Expression and Delivery of siRNAs in Mammalian Cells
; FILE REFERENCE: UM-07225
; CURRENT APPLICATION NUMBER: US/10/294,957
; CURRENT FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/332,170
; PRIOR FILING DATE: 2001-11-14
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 18
; LENGTH: 6081
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-294-957-18

Query Match      100.0%; Score 145; DB 15; Length 6081;
Best Local Similarity 100.0%; Pred. No. 3.3e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 60
DB 7 TTGGCCACTCCCTCTCTGGCGCTCGCTCAGTGAGCGCGGCGGACCAAGGTCGCC 66
```

```
QY 61 CGACGCCGGGCTTTGCCGGCGCCCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 67 CGACGCCGGGCTTTGCCGGCGCCCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 126
QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 127 GCCAACTCCATCACTAGGGGTTTCCT 151

RESULT 59
US-10-267-117-8
; Sequence 8, Application US/10267117
; Publication No. US20030082162A1
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/10/267,117
; CURRENT FILING DATE: 2002-10-08
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 6142
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
US-10-267-117-8

Query Match 100.0%; Score 145; DB 14; Length 6142;
Best Local Similarity 100.0%; Pred. No. 3.3e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGCGCGAGAGGGAGTG 60
Db 3288 TTGGCCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGCGCGAGAGGGAGTG 3229
QY 61 CGACGCCGGGCTTTGCCGGCGCCCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 3228 CGACGCCGGGCTTTGCCGGCGCCCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 3169
QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 3168 GCCAACTCCATCACTAGGGGTTTCCT 3144

Search completed: July 5, 2005, 13:25:27
Job time : 492.556 secs
```

```
QY 61 CGACGCCGGGCTTTGCCGGCGCCCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 67 CGACGCCGGGCTTTGCCGGCGCCCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 126
QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 127 GCCAACTCCATCACTAGGGGTTTCCT 151

RESULT 60
US-10-267-117-8/c
; Sequence 8, Application US/10267117
; Publication No. US20030082162A1
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/10/267,117
; CURRENT FILING DATE: 2002-10-08
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 6142
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
US-10-267-117-8

Query Match 100.0%; Score 145; DB 14; Length 6142;
Best Local Similarity 100.0%; Pred. No. 3.3e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGCGCGAGAGGGAGTG 60
Db 18 TTGGCCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGCGCGAGAGGGAGTG 77
QY 61 CGACGCCGGGCTTTGCCGGCGCCCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 78 CGACGCCGGGCTTTGCCGGCGCCCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 137
QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 138 GCCAACTCCATCACTAGGGGTTTCCT 162

RESULT 60
US-10-267-117-8/c
; Sequence 8, Application US/10267117
; Publication No. US20030082162A1
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/10/267,117
; CURRENT FILING DATE: 2002-10-08
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
```



GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 10:51:06 ; Search time 104.722 Seconds  
(without alignments)  
2265.614 Million cell updates/sec

Title: US-10-620-039-1  
Perfect score: 145  
Sequence: 1 TTGGCCACTCCCTCTCTGCG.....CTCCATCACTAGGGTTCCT 145

Scoring table:

IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 300 summaries

Database : Issued Patents NA:\*

1: /cgn2\_6/prodata/1/ina/5A COMB.seq:\*

2: /cgn2\_6/prodata/1/ina/5B COMB.seq:\*

3: /cgn2\_6/prodata/1/ina/6A COMB.seq:\*

4: /cgn2\_6/prodata/1/ina/6B COMB.seq:\*

5: /cgn2\_6/prodata/1/ina/PCTUS COMB.seq:\*

6: /cgn2\_6/prodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	145	100.0	145	1	US-07-789-917A-1
2	145	100.0	145	3	US-08-702-573-4
3	145	100.0	145	3	US-07-982-193-1
4	145	100.0	165	1	US-07-989-841A-1
5	145	100.0	165	2	US-08-440-738A-1
6	145	100.0	165	3	US-08-471-914-1
7	145	100.0	165	3	US-09-276-625-7
8	145	100.0	480	1	US-08-254-358-1
9	145	100.0	480	1	US-08-475-391-1
10	145	100.0	4680	2	US-08-709-609-1
11	145	100.0	4680	5	PCT-US95-07178-1
12	145	100.0	4681	4	US-09-807-802A-18
13	145	100.0	4683	4	US-09-807-802A-19
14	145	100.0	5932	3	US-09-299-141-4
15	145	100.0	5932	3	US-09-299-141-4
16	145	100.0	6142	3	US-09-299-141-8
17	145	100.0	6142	3	US-09-299-141-8
18	145	100.0	6253	3	US-08-893-327-15
19	145	100.0	6253	3	US-08-893-327-15
20	145	100.0	6280	3	US-08-893-327-17
21	145	100.0	6280	3	US-08-893-327-17
22	145	100.0	6280	3	US-08-893-327-19
23	145	100.0	6280	3	US-08-893-327-19
24	145	100.0	6565	3	US-09-299-141-1
25	145	100.0	6565	3	US-09-299-141-1
26	145	100.0	6714	3	US-09-299-141-6
27	145	100.0	6714	3	US-09-299-141-6

28	145	100.0	6924	3	US-09-299-141-9	Sequence 9, Appli
29	145	100.0	6924	3	US-09-299-141-9	Sequence 9, Appli
30	145	100.0	6924	3	US-09-299-141-10	Sequence 10, Appli
31	145	100.0	6924	3	US-09-299-141-10	Sequence 10, Appli
32	145	100.0	6924	3	US-09-299-141-11	Sequence 11, Appli
33	145	100.0	6924	3	US-09-299-141-11	Sequence 11, Appli
34	145	100.0	6981	3	US-09-299-141-7	Sequence 7, Appli
35	145	100.0	6981	3	US-09-299-141-7	Sequence 7, Appli
36	145	100.0	7054	3	US-09-299-141-3	Sequence 3, Appli
37	145	100.0	7054	3	US-09-299-141-3	Sequence 3, Appli
38	145	100.0	7405	3	US-09-299-141-2	Sequence 2, Appli
39	145	100.0	7405	3	US-09-299-141-2	Sequence 2, Appli
40	145	100.0	7492	3	US-09-299-141-5	Sequence 5, Appli
41	145	100.0	7492	3	US-09-299-141-5	Sequence 5, Appli
42	145	100.0	8698	3	US-09-770-315-2	Sequence 2, Appli
43	143.4	98.9	272	3	US-09-276-625-4	Sequence 4, Appli
44	141.8	97.8	5585	4	US-09-000-003A-1	Sequence 1, Appli
45	141.8	97.8	5585	4	US-09-276-625-6	Sequence 6, Appli
46	138.6	95.6	272	3	US-07-989-841A-6	Sequence 6, Appli
47	135.4	93.4	145	1	US-08-440-738A-6	Sequence 6, Appli
48	135.4	93.4	145	2	US-08-471-914-6	Sequence 6, Appli
49	135.4	93.4	145	3	US-08-525-866-1	Sequence 5, Appli
50	131.4	90.6	194	3	US-08-702-573-5	Sequence 5, Appli
51	125	86.2	145	3	US-08-525-866-1	Sequence 1, Appli
52	125	86.2	192	3	US-08-702-573-3	Sequence 3, Appli
53	124.2	85.7	272	3	US-09-276-625-6	Sequence 6, Appli
54	123	84.8	174	3	US-09-394-110A-1	Sequence 1, Appli
55	119.4	82.3	145	3	US-09-276-625-4	Sequence 4, Appli
56	117.8	81.2	145	3	US-08-525-866-1	Sequence 1, Appli
57	117.8	81.2	165	2	US-07-989-841A-1	Sequence 1, Appli
58	117.8	81.2	165	2	US-08-440-738A-1	Sequence 1, Appli
59	117.8	81.2	165	3	US-08-471-914-1	Sequence 1, Appli
60	117.8	81.2	165	3	US-09-276-625-7	Sequence 7, Appli
61	117.8	81.2	192	3	US-08-702-573-3	Sequence 3, Appli
62	117.8	81.2	4680	1	US-08-254-358-1	Sequence 1, Appli
63	117.8	81.2	4680	1	US-08-475-391-1	Sequence 1, Appli
64	117.8	81.2	4680	2	US-08-709-609-1	Sequence 1, Appli
65	117.8	81.2	4680	5	PCT-US95-07178-1	Sequence 1, Appli
66	117.8	81.2	8698	3	US-09-770-315-2	Sequence 2, Appli
67	117	80.7	183	3	US-09-394-110A-2	Sequence 2, Appli
68	115.8	79.9	174	3	US-09-394-110A-1	Sequence 1, Appli
69	114.6	79.0	4681	4	US-09-807-802A-18	Sequence 18, Appli
70	114.4	78.9	300	3	US-09-276-625-5	Sequence 5, Appli
71	111.4	76.8	9600	3	US-08-910-647-1	Sequence 1, Appli
72	111.4	76.8	9600	3	US-09-620-925-1	Sequence 1, Appli
73	111	76.6	122	1	US-08-308-949A-4	Sequence 4, Appli
74	110	75.9	4999	3	US-09-470-618-14	Sequence 14, Appli
75	110	75.9	4999	3	US-09-470-618-14	Sequence 14, Appli
76	110	75.9	4999	3	US-09-364-862-14	Sequence 14, Appli
77	110	75.9	4999	3	US-09-364-862-14	Sequence 14, Appli
78	110	75.9	8299	1	US-08-462-014-2	Sequence 2, Appli
79	110	75.9	8299	3	US-08-462-014-2	Sequence 2, Appli
80	110	75.9	8299	3	US-08-923-137-3	Sequence 3, Appli
81	110	75.9	8299	3	US-08-923-137-3	Sequence 3, Appli
82	110	75.9	8299	3	US-08-973-334-5	Sequence 5, Appli
83	110	75.9	8299	3	US-08-973-334-5	Sequence 5, Appli
84	110	75.9	8299	3	US-09-563-869A-5	Sequence 5, Appli
85	110	75.9	8299	3	US-09-563-869A-5	Sequence 5, Appli
86	110	75.9	8509	1	US-08-462-014-1	Sequence 1, Appli
87	110	75.9	8509	3	US-08-462-014-1	Sequence 1, Appli
88	110	75.9	8509	3	US-08-973-334-4	Sequence 4, Appli
89	110	75.9	8509	3	US-08-973-334-4	Sequence 4, Appli
90	110	75.9	8509	3	US-09-563-869A-4	Sequence 4, Appli
91	110	75.9	8509	4	US-09-563-869A-4	Sequence 4, Appli
92	110	75.9	8509	4	US-09-528-470-1	Sequence 1, Appli
93	110	75.9	8509	4	US-09-528-470-1	Sequence 1, Appli
94	110	75.9	9600	3	US-08-910-647-1	Sequence 1, Appli
95	110	75.9	9600	3	US-09-620-925-1	Sequence 1, Appli
96	110	75.9	10398	2	US-08-331-384-1	Sequence 1, Appli
97	110	75.9	10398	2	US-08-331-384-1	Sequence 1, Appli
98	110	75.9	10398	2	US-08-708-188-1	Sequence 1, Appli
99	110	75.9	10398	2	US-08-708-188-1	Sequence 1, Appli
100	110	75.9	10398	2	US-08-836-087-1	Sequence 1, Appli

c 101	110	75.9	10398	2	US-08-836-087-1	Sequence 1, Appli	174	37.8	26.1	120	3	US-08-471-914-10	Sequence 10, Appl
c 102	110	75.9	10398	3	US-09-246-320-1	Sequence 1, Appli	c 175	37	25.5	48	3	US-08-702-573-11	Sequence 11, Appl
c 103	110	75.9	10398	3	US-09-246-320-1	Sequence 1, Appli	176	36.4	25.1	123	3	US-08-471-914-9	Sequence 9, Appli
c 104	110	75.9	10398	3	US-09-246-320-1	Sequence 1, Appli	177	35	24.1	1917	3	US-08-808-346-1	Sequence 1, Appli
c 105	110	75.9	10398	3	US-09-246-743-1	Sequence 1, Appli	178	35	24.1	1926	1	US-07-901-703-12	Sequence 12, Appl
c 106	110	75.9	10398	3	US-09-546-738-1	Sequence 1, Appli	179	35	24.1	1926	1	US-08-147-023-26	Sequence 26, Appl
c 107	110	75.9	10398	3	US-09-546-738-1	Sequence 1, Appli	180	35	24.1	1926	1	US-08-278-729A-22	Sequence 22, Appl
c 108	110	75.9	10398	3	US-09-923-726-1	Sequence 1, Appli	181	35	24.1	1926	1	US-08-480-528A-9	Sequence 9, Appli
c 109	110	75.9	10398	3	US-09-923-726-1	Sequence 1, Appli	182	35	24.1	1926	1	US-08-479-666-9	Sequence 9, Appli
c 110	110	75.9	10398	3	US-09-923-726-1	Sequence 1, Appli	183	35	24.1	1926	1	US-08-155-343A-22	Sequence 22, Appl
c 111	110	75.9	11933	3	US-09-470-618-13	Sequence 13, Appl	184	35	24.1	1926	1	US-08-406-672-22	Sequence 22, Appl
c 112	110	75.9	11933	3	US-09-364-862-13	Sequence 13, Appl	185	35	24.1	1926	1	US-08-643-563A-22	Sequence 22, Appl
c 113	110	75.9	11933	3	US-09-364-862-13	Sequence 13, Appl	186	35	24.1	1926	1	US-08-447-570-26	Sequence 26, Appl
c 114	109.8	75.7	183	3	US-09-394-110A-2	Sequence 2, Appli	187	35	24.1	1926	1	US-08-643-763A-22	Sequence 22, Appl
c 115	109	75.2	505	3	US-09-276-625-3	Sequence 3, Appli	188	35	24.1	1926	1	US-08-462-623-22	Sequence 22, Appl
c 116	109	75.2	505	3	US-09-276-625-3	Sequence 3, Appli	189	35	24.1	1926	1	US-08-451-953A-22	Sequence 22, Appl
c 117	108	74.5	7015	3	US-08-702-573-2	Sequence 2, Appli	190	35	24.1	1926	2	US-08-459-346-7	Sequence 7, Appli
c 118	108	74.5	7015	3	US-09-770-315-1	Sequence 1, Appli	191	35	24.1	1926	2	US-08-445-468A-22	Sequence 22, Appl
c 119	108	74.5	7015	3	US-09-770-315-1	Sequence 1, Appli	192	35	24.1	1926	2	US-08-901-200A-9	Sequence 9, Appli
c 120	108	74.5	7557	3	US-09-770-315-1	Sequence 3, Appli	193	35	24.1	1926	2	US-08-449-700-26	Sequence 26, Appl
c 121	108	74.5	7557	3	US-09-770-315-3	Sequence 3, Appli	194	35	24.1	1926	2	US-08-449-699A-26	Sequence 26, Appl
c 122	107.4	74.1	4683	4	US-09-807-802A-1	Sequence 1, Appli	195	35	24.1	1926	2	US-08-461-397A-22	Sequence 22, Appl
c 123	105.8	73.0	345	2	US-09-807-802A-19	Sequence 19, Appl	196	35	24.1	1926	2	US-08-912-088-22	Sequence 22, Appl
c 124	105	72.4	5585	2	US-09-276-625-9	Sequence 9, Appli	197	35	24.1	1926	3	US-08-278-730A-22	Sequence 22, Appl
c 125	105	72.4	5585	2	US-08-305-221-1	Sequence 1, Appli	198	35	24.1	1926	3	US-08-889-419-7	Sequence 7, Appli
c 126	105	72.4	5585	4	US-09-000-003A-1	Sequence 1, Appli	199	35	24.1	1926	3	US-08-445-467-22	Sequence 22, Appl
c 127	100.8	65.5	4767	3	US-08-702-573-2	Sequence 2, Appli	200	35	24.1	1926	3	US-08-480-515A-22	Sequence 22, Appl
c 128	100.8	69.5	4767	3	US-09-532-594B-1	Sequence 1, Appli	201	35	24.1	1926	3	US-09-219-391-9	Sequence 9, Appli
c 129	99.4	68.6	4718	4	US-09-807-802A-1	Sequence 1, Appli	202	35	24.1	1926	3	US-09-170-936-22	Sequence 22, Appl
c 130	97.8	67.4	145	1	US-07-789-917A-1	Sequence 1, Appli	203	35	24.1	1926	3	US-08-402-542-7	Sequence 7, Appli
c 131	97.8	67.4	145	3	US-08-702-573-4	Sequence 4, Appli	204	35	24.1	1926	3	US-08-456-033-22	Sequence 22, Appl
c 132	97.8	67.4	145	3	US-07-982-193-1	Sequence 1, Appli	205	35	24.1	1926	4	US-08-456-033-22	Sequence 22, Appl
c 133	93.6	64.6	194	3	US-08-702-573-5	Sequence 5, Appli	206	35	24.1	1926	4	US-08-643-321-21	Sequence 21, Appl
c 134	93	64.1	145	1	US-07-989-841A-6	Sequence 6, Appli	207	35	24.1	1926	4	US-09-148-925C-26	Sequence 26, Appl
c 135	93	64.1	145	2	US-08-440-738A-6	Sequence 6, Appli	208	35	24.1	1926	4	US-08-957-423-26	Sequence 26, Appl
c 136	93	64.1	145	3	US-08-471-914-6	Sequence 6, Appli	209	35	24.1	1926	5	US-08-260-675-22	Sequence 22, Appl
c 137	91.4	63.0	125	3	US-09-532-594B-6	Sequence 6, Appli	210	35	24.1	1926	5	PCT-US92-01968-22	Sequence 22, Appl
c 138	90.6	62.5	345	3	US-09-276-625-9	Sequence 9, Appli	211	35	24.1	1926	5	PCT-US93-05446-12	Sequence 12, Appl
c 139	86.8	59.9	7744	4	US-10-216-870-14	Sequence 14, Appl	212	35	24.1	1926	5	PCT-US93-07189-7	Sequence 7, Appli
c 140	83.8	57.8	122	1	US-08-308-949A-4	Sequence 4, Appli	213	35	24.1	1926	5	PCT-US93-07190-22	Sequence 22, Appl
c 141	78.4	54.1	4767	3	US-09-532-594B-1	Sequence 1, Appli	214	35	24.1	1926	5	PCT-US93-07231-22	Sequence 22, Appl
c 142	78.4	54.1	7744	4	US-10-216-870-14	Sequence 14, Appl	215	35	24.1	1926	5	PCT-US93-08742-22	Sequence 22, Appl
c 143	77	53.1	125	3	US-09-532-594B-6	Sequence 6, Appli	216	35	24.1	1926	5	PCT-US93-08808-22	Sequence 22, Appl
c 144	72.6	50.1	149	3	US-08-471-914-13	Sequence 13, Appl	217	35	24.1	1926	5	PCT-US93-08885-22	Sequence 22, Appl
c 145	72.6	50.1	149	3	US-08-471-914-13	Sequence 13, Appl	218	35	24.1	1926	5	PCT-US93-10520-9	Sequence 9, Appli
c 146	71.8	49.5	300	3	US-09-276-625-5	Sequence 5, Appli	c 219	34.6	23.9	282	3	US-09-276-625-8	Sequence 8, Appli
c 147	70.6	48.7	135	3	US-08-702-573-1	Sequence 1, Appli	220	33.4	23.0	113	3	US-08-471-914-12	Sequence 12, Appl
c 148	68.6	47.3	316	3	US-09-276-625-11	Sequence 11, Appl	221	33	22.8	601	4	US-09-949-016-25354	Sequence 25354, A
c 149	68	46.9	135	3	US-08-702-573-1	Sequence 1, Appli	222	33	22.8	601	4	US-09-949-016-25355	Sequence 25355, A
c 150	67	45.2	73	3	US-08-702-573-6	Sequence 6, Appli	223	33	22.8	601	4	US-09-949-016-69737	Sequence 69737, A
c 151	67	45.2	73	3	US-08-702-573-7	Sequence 7, Appli	224	33	22.8	601	4	US-09-949-016-69738	Sequence 69738, A
c 152	64.4	44.4	129	3	US-09-532-594B-20	Sequence 20, Appl	225	33	22.8	3623	1	US-08-306-691B-35	Sequence 35, Appl
c 153	63.4	43.7	310	3	US-09-276-625-13	Sequence 13, Appl	c 226	33	22.8	74455	4	US-09-943-016-13793	Sequence 13793, A
c 154	62.2	42.9	139	3	US-08-471-914-8	Sequence 8, Appli	c 227	33	22.8	104475	4	US-09-949-016-12115	Sequence 12115, A
c 155	60.6	41.8	316	3	US-09-276-625-11	Sequence 11, Appl	c 228	33	22.8	111282	3	US-09-754-250-3	Sequence 3, Appli
c 156	60.6	41.8	276	3	US-09-276-625-10	Sequence 10, Appl	c 229	32.8	22.6	26709	4	US-09-949-016-17520	Sequence 17520, A
c 157	59	40.7	132	1	US-08-308-949A-7	Sequence 7, Appli	c 230	32.6	22.5	48	3	US-08-702-573-9	Sequence 9, Appli
c 158	57.8	39.9	120	3	US-08-471-914-10	Sequence 10, Appl	c 231	32.4	22.3	423	3	US-09-621-976-9156	Sequence 9156, Ap
c 159	56.6	39.0	129	3	US-09-532-594B-20	Sequence 20, Appl	c 232	32.4	22.3	1162	3	US-09-395-674B-3	Sequence 3, Appli
c 160	54.8	37.8	120	1	US-08-308-949A-3	Sequence 3, Appli	233	31.8	21.9	35678	4	US-09-949-016-12786	Sequence 12786, A
c 161	54.6	37.8	123	3	US-08-471-914-9	Sequence 9, Appli	234	31.8	21.9	35678	4	US-09-949-016-16757	Sequence 16757, A
c 162	53.4	36.8	113	3	US-08-471-914-12	Sequence 12, Appl	235	31.8	21.9	35678	4	US-09-949-016-16758	Sequence 16758, A
c 163	52.2	36.0	310	3	US-09-276-625-13	Sequence 13, Appl	236	31.8	21.9	59361	4	US-09-949-016-16755	Sequence 16755, A
c 164	50.6	34.9	73	3	US-08-702-573-6	Sequence 6, Appli	237	31.8	21.9	59361	3	US-09-949-016-16756	Sequence 16756, A
c 165	50.6	34.9	73	3	US-08-702-573-7	Sequence 7, Appli	238	31.8	21.9	59065	3	US-09-813-817-3	Sequence 3, Appli
c 166	47	32.4	48	3	US-08-702-573-9	Sequence 9, Appli	239	31.8	21.9	59065	3	US-09-978-197-3	Sequence 3, Appli
c 167	44.4	30.6	282	3	US-09-276-625-8	Sequence 8, Appli	240	31.8	21.9	71815	4	US-10-135-696-3	Sequence 12501, A
c 168	43.8	30.2	139	3	US-08-471-914-8	Sequence 8, Appli	241	31.8	21.9	71815	4	US-09-949-016-12501	Sequence 3, Appli
c 169	43	29.7	50	3	US-08-702-573-10	Sequence 10, Appl	c 242	31.8	21.9	84495	3	US-09-797-906-3	Sequence 3, Appli
c 170	42.8	29.5	276	3	US-09-276-625-10	Sequence 10, Appl	c 243	31.6	21.8	444	4	US-09-252-991A-11328	Sequence 11328, A
c 171	41.8	28.8	46	3	US-08-702-573-8	Sequence 8, Appli	c 244	31.6	21.8	501	4	US-09-252-991A-11294	Sequence 11294, A
c 172	40.4	27.9	120	1	US-08-308-949A-3	Sequence 3, Appli	c 245	31.6	21.8	601	4	US-09-949-016-90084	Sequence 90084, A
c 173	39	26.9	132	1	US-08-308-949A-7	Sequence 7, Appli	c 246	31.6	21.8	112219	4	US-09-949-016-12453	Sequence 12453, A





```
QY 1 TTGGCCACTCCCTCTCTGCGGGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60
Db 21 TTGGCCACTCCCTCTCTGCGGGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 80

QY 61 CGACGCCCGGGCTTTGCGCGGGCGCTCAGTGAGCGAGCGCGCGACGAGGGAGTG 120
Db 81 CGACGCCCGGGCTTTGCGCGGGCGCTCAGTGAGCGAGCGCGCGCGACGAGGGAGTG 140

QY 121 GCCAACTCCATCACTAGGGTTCT 145
Db 141 GCCAACTCCATCACTAGGGTTCT 165

RESULT 5
US-08-440-738A-1
; Sequence 1, Application US/08440738A
; Patent No. 5869305
; GENERAL INFORMATION:
; APPLICANT: Samuleki, R. J.
; APPLICANT: Xiso, X.
; TITLE OF INVENTION: Recombinant Viral Vector System
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/440,738A
; FILING DATE: May 15, 1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 6636-022
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 165 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
US-08-440-738A-1

Query Match 100.0%; Score 145; DB 2; Length 165;
Best Local Similarity 100.0%; Pred. No. 4.1e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60
Db 21 TTGGCCACTCCCTCTCTGCGGGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 80

QY 61 CGACGCCCGGGCTTTGCGCGGGCGCTCAGTGAGCGAGCGCGCGACGAGGGAGTG 120
Db 81 CGACGCCCGGGCTTTGCGCGGGCGCTCAGTGAGCGAGCGCGCGCGACGAGGGAGTG 140

QY 121 GCCAACTCCATCACTAGGGTTCT 145
Db 141 GCCAACTCCATCACTAGGGTTCT 165

RESULT 6
```

```
US-08-471-914-1
; Sequence 1, Application US/08471914A
; Patent No. 6057152
; GENERAL INFORMATION:
; APPLICANT: Samuleki, R.
; APPLICANT: Xiso, X.
; TITLE OF INVENTION: RECOMBINANT VIRAL VECTOR SYSTEM
; FILE REFERENCE: 6636-027
; CURRENT APPLICATION NUMBER: US/08/471,914A
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/440,738
; EARLIER FILING DATE: 1995-05-15
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 1
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: double-D
US-08-471-914-1

Query Match 100.0%; Score 145; DB 3; Length 165;
Best Local Similarity 100.0%; Pred. No. 4.1e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60
Db 21 TTGGCCACTCCCTCTCTGCGGGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 80

QY 61 CGACGCCCGGGCTTTGCGCGGGCGCTCAGTGAGCGAGCGCGCGACGAGGGAGTG 120
Db 81 CGACGCCCGGGCTTTGCGCGGGCGCTCAGTGAGCGAGCGCGCGCGACGAGGGAGTG 140

QY 121 GCCAACTCCATCACTAGGGTTCT 145
Db 141 GCCAACTCCATCACTAGGGTTCT 165

RESULT 7
US-09-276-625-7
; Sequence 7, Application US/09276625
; Patent No. 6436392
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; APPLICANT: Duan, Dongsheng
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US1
; CURRENT APPLICATION NUMBER: US/09/276,625
; CURRENT FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 6436392 5,478,745
US-09-276-625-7

Query Match 100.0%; Score 145; DB 3; Length 165;
Best Local Similarity 100.0%; Pred. No. 4.1e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60
Db 21 TTGGCCACTCCCTCTCTGCGGGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 80

QY 61 CGACGCCCGGGCTTTGCGCGGGCGCTCAGTGAGCGAGCGCGCGACGAGGGAGTG 120
```

Db 81 CGACGCCGGGCTTTGCCGGCGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 140  
QY 121 GCCAACTCCATCACTAGGGTTTCCT 145  
Db 141 GCCAACTCCATCACTAGGGTTTCCT 165

## RESULT 8

US-08-254-358-1  
; Sequence 1, Application US/08254358  
; Patent No. 5658785  
; GENERAL INFORMATION:  
; APPLICANT: Johnson, Philip R.  
; TITLE OF INVENTION: Adeno-Associated Virus Materials and  
; TITLE OF INVENTION: Methods  
; NUMBER OF SEQUENCES: 3  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
; STREET: 6300 Sears Tower, 233 S. Wacker Drive  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: USA  
; ZIP: 60606  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/254,358  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: No. 5658785and, Greta E.  
; REGISTRATION NUMBER: 35,302  
; REFERENCE/DOCKET NUMBER: 31975  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (312) 474-6300  
; TELEFAX: (312) 474-0448  
; TELEX: 25-3856  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4680 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-08-254-358-1

Query Match 100.0%; Score 145; DB 1; Length 4680;  
Best Local Similarity 100.0%; Pred. No. 5.7e-31;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGCGCACCAGGTCGCC 60  
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGCGCACCAGGTCGCC 60  
QY 61 CGACGCCGGGCTTTGCCGGCGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 120  
Db 61 CGACGCCGGGCTTTGCCGGCGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 120  
QY 121 GCCAACTCCATCACTAGGGTTTCCT 145  
Db 121 GCCAACTCCATCACTAGGGTTTCCT 145

## RESULT 9

US-08-475-391-1  
; Sequence 1, Application US/08475391  
; Patent No. 5786211  
; GENERAL INFORMATION:  
; APPLICANT: Johnson, Philip R.  
; TITLE OF INVENTION: Adeno-Associated Virus Materials and

; TITLE OF INVENTION: Methods  
; NUMBER OF SEQUENCES: 3  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
; STREET: 6300 Sears Tower, 233 S. Wacker Drive  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: USA  
; ZIP: 60606  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/475,391  
; FILING DATE: 07-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/254,358  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: No. 5786211and, Greta E.  
; REGISTRATION NUMBER: 35,302  
; REFERENCE/DOCKET NUMBER: 31975  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (312) 474-6300  
; TELEFAX: (312) 474-0448  
; TELEX: 25-3856  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4680 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-08-475-391-1

Query Match 100.0%; Score 145; DB 1; Length 4680;  
Best Local Similarity 100.0%; Pred. No. 5.7e-31;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGCGCACCAGGTCGCC 60  
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGCGCACCAGGTCGCC 60  
QY 61 CGACGCCGGGCTTTGCCGGCGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 120  
Db 61 CGACGCCGGGCTTTGCCGGCGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 120  
QY 121 GCCAACTCCATCACTAGGGTTTCCT 145  
Db 121 GCCAACTCCATCACTAGGGTTTCCT 145

## RESULT 10

US-08-709-609-1  
; Sequence 1, Application US/08709609  
; Patent No. 5858775  
; GENERAL INFORMATION:  
; APPLICANT: Johnson, Philip R.  
; TITLE OF INVENTION: Adeno-Associated Virus Materials and  
; TITLE OF INVENTION: Methods  
; NUMBER OF SEQUENCES: 3  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
; STREET: 6300 Sears Tower, 233 S. Wacker Drive  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: USA  
; ZIP: 60606  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/709,609  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: No. 585877sand, Greta E.  
REGISTRATION NUMBER: 35,302  
REFERENCE/DOCKET NUMBER: 31975  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (312) 474-6300  
TELEFAX: (312) 474-0448  
TELEX: 25-3856  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4680 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-08-709-609-1

Query Match 100.0%; Score 145; DB 2; Length 4680;  
Best Local Similarity 100.0%; Pred. No. 5.7e-31;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGCGGCGACCAAGGTCGCC 60  
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGCGGCGACCAAGGTCGCC 60  
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGAGCGCGGAGGAGTG 120  
Db 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGAGCGCGGAGGAGTG 120  
QY 121 GCCAACTCCATCACTAGGGGTTCT 145  
Db 121 GCCAACTCCATCACTAGGGGTTCT 145

RESULT 11  
PCT-US95-07178-1  
Sequence 1, Application PC/TUS9507178  
GENERAL INFORMATION:  
APPLICANT: Johnson, Philip R.  
TITLE OF INVENTION: Adeno-Associated Virus Materials and  
METHODS  
NUMBER OF SEQUENCES: 3  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
STREET: 6300 Sears Tower, 233 S. Wacker Drive  
CITY: Chicago  
STATE: Illinois  
COUNTRY: USA  
ZIP: 60606  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/07178  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Noland, Greta E.  
REGISTRATION NUMBER: 35,302  
REFERENCE/DOCKET NUMBER: 31975  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (312) 474-6300  
TELEFAX: (312) 474-0448  
TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4680 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
PCT-US95-07178-1

Query Match 100.0%; Score 145; DB 5; Length 4680;  
Best Local Similarity 100.0%; Pred. No. 5.7e-31;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGCGACCAAGGTCGCC 60  
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGCGACCAAGGTCGCC 60  
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGAGCGCGGAGGAGTG 120  
Db 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGAGCGCGGAGGAGTG 120  
QY 121 GCCAACTCCATCACTAGGGGTTCT 145  
Db 121 GCCAACTCCATCACTAGGGGTTCT 145

RESULT 12  
US-09-807-802A-18  
Sequence 18, Application US/09807802A  
Patent No. 6759237  
GENERAL INFORMATION:  
APPLICANT: Wilson, James M.  
APPLICANT: Xiao, Weidong  
TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,  
TITLE OF INVENTION: Vectors and Host Cells Containing Same  
FILE REFERENCE: GNPVN 031USA  
CURRENT APPLICATION NUMBER: US/09/807,802A  
CURRENT FILING DATE: 2002-02-21  
PRIOR APPLICATION NUMBER: US 60/107,114  
PRIOR FILING DATE: 1998-11-05  
PRIOR APPLICATION NUMBER: PCT/US99/25694  
PRIOR FILING DATE: 1999-11-02  
NUMBER OF SEQ ID NOS: 20  
SOFTWARE: Patentin version 3.1  
SEQ ID NO 18  
LENGTH: 4681  
TYPE: DNA  
ORGANISM: AAV-2  
US-09-807-802A-18

Query Match 100.0%; Score 145; DB 4; Length 4681;  
Best Local Similarity 100.0%; Pred. No. 5.7e-31;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGCGACCAAGGTCGCC 60  
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGCGACCAAGGTCGCC 60  
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGAGCGCGGAGGAGTG 120  
Db 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGAGCGCGGAGGAGTG 120  
QY 121 GCCAACTCCATCACTAGGGGTTCT 145  
Db 121 GCCAACTCCATCACTAGGGGTTCT 145

RESULT 13  
US-09-807-802A-19  
Sequence 19, Application US/09807802A  
Patent No. 6759237  
GENERAL INFORMATION:  
APPLICANT: Wilson, James M.

; APPLICANT: Xiao, Weidong  
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,  
; FILE OF INVENTION: Vectors and Host Cells Containing Same  
; FILE REFERENCE: GNVN.031USA  
; CURRENT APPLICATION NUMBER: US/09/807,802A  
; CURRENT FILING DATE: 2002-02-21  
; PRIOR APPLICATION NUMBER: US 60/107,114  
; PRIOR FILING DATE: 1998-11-05  
; PRIOR APPLICATION NUMBER: PCT/US99/25694  
; PRIOR FILING DATE: 1999-11-02  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 19  
; LENGTH: 4683  
; TYPE: DNA  
; ORGANISM: AAV-6  
US-09-807-802A-19

Query Match 100.0%; Score 145; DB 4; Length 4683;  
Best Local Similarity 100.0%; Pred. No. 5.7e-31;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTGAGCGCGCGGACCAAAGGTCGCC 60  
DB 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTGAGCGCGCGGACCAAAGGTCGCC 60  
  
QY 61 CGACGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGCGGCGGAGAGGAGTG 120  
DB 61 CGACGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGCGGCGGAGAGGAGTG 120  
  
QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145  
DB 121 GCCAACTCCATCACTAGGGGTTTCCT 145

RESULT 14  
US-09-299-141-4  
; Sequence 4, Application US/09299141  
; Patent No. 6461606  
; GENERAL INFORMATION:  
; APPLICANT: FLOTTE, TERENCE R.  
; APPLICANT: SONG, SIHONG  
; APPLICANT: BYRNE, BARRY J.  
; APPLICANT: MORGAN, MICHAEL  
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
; FILE REFERENCE: 4300.011800  
; CURRENT APPLICATION NUMBER: US/09/299,141  
; CURRENT FILING DATE: 1999-04-23  
; EARLIER APPLICATION NUMBER: 60/083,025  
; EARLIER FILING DATE: 1998-04-24  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 4  
; LENGTH: 5932  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT  
US-09-299-141-4

Query Match 100.0%; Score 145; DB 3; Length 5932;  
Best Local Similarity 100.0%; Pred. No. 5.9e-31;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAGGTCGCC 60  
DB 18 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAGGTCGCC 77  
  
QY 61 CGACGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGGCGGAGAGGAGTG 120  
DB 78 CGACGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGGCGGAGAGGAGTG 137  
  
QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145

Db 138 GCCAACTCCATCACTAGGGGTTTCCT 162  
  
RESULT 15  
US-09-299-141-4/c  
; Sequence 4, Application US/09299141  
; Patent No. 6461606  
; GENERAL INFORMATION:  
; APPLICANT: FLOTTE, TERENCE R.  
; APPLICANT: SONG, SIHONG  
; APPLICANT: BYRNE, BARRY J.  
; APPLICANT: MORGAN, MICHAEL  
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
; FILE REFERENCE: 4300.011800  
; CURRENT APPLICATION NUMBER: US/09/299,141  
; CURRENT FILING DATE: 1999-04-23  
; EARLIER APPLICATION NUMBER: 60/083,025  
; EARLIER FILING DATE: 1998-04-24  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 4  
; LENGTH: 5932  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT  
US-09-299-141-4

Query Match 100.0%; Score 145; DB 3; Length 5932;  
Best Local Similarity 100.0%; Pred. No. 5.9e-31;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAGGTCGCC 60  
DB 3078 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTGAGCGCGGCGGACCAAAGGTCGCC 3019  
  
QY 61 CGACGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGGCGGAGAGGAGTG 120  
DB 3018 CGACGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGGCGGAGAGGAGTG 2959  
  
QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145  
DB 2958 GCCAACTCCATCACTAGGGGTTTCCT 2934

RESULT 16  
US-09-299-141-8  
; Sequence 8, Application US/09299141  
; Patent No. 6461606  
; GENERAL INFORMATION:  
; APPLICANT: FLOTTE, TERENCE R.  
; APPLICANT: SONG, SIHONG  
; APPLICANT: BYRNE, BARRY J.  
; APPLICANT: MORGAN, MICHAEL  
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
; FILE REFERENCE: 4300.011800  
; CURRENT APPLICATION NUMBER: US/09/299,141  
; CURRENT FILING DATE: 1999-04-23  
; EARLIER APPLICATION NUMBER: 60/083,025  
; EARLIER FILING DATE: 1998-04-24  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 8  
; LENGTH: 6142  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:PLASMID  
; OTHER INFORMATION: p43MBENC-AT  
US-09-299-141-8  
  
Query Match 100.0%; Score 145; DB 3; Length 6142;



	Best Local Similarity	100.0%;	Pred. No. 5.9e-31;	Matches 145;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	TTGGCCACTCCCTCTCTGCGGCTCGTTCGTCTCACTGAGCCGGCGCA	CCAAAGTGC	CC	60			
Db	18	TTGGCCACTCCCTCTCTGCGGCTCGTTCGTCTCACTGAGCCGGCGCA	CCAAAGTGC	CC	77			
Qy	61	CGAGCCCGCGGCTTTGGCCCGGGCGGCTCTAGTGTAGCGAGCGCG	CAGAGGGAGTG	120				
Db	78	CGAGCCCGCGGCTTTGGCCCGGGCGGCTCTAGTGTAGCGAGCGCG	CAGAGGGAGTG	137				
Qy	121	GCCAACTCCATCACTAGGGTTCT	145					
Db	138	GCCAACTCCATCACTAGGGTTCT	162					

<p> ; SOFTWARE: PatentIn Release #1.0, Version #1.30  ; CURRENT APPLICATION DATA:  ; APPLICATION NUMBER: US/08/893,327  ; FILING DATE:  ; CLASSIFICATION: 514  ; PRIOR APPLICATION DATA:  ; APPLICATION NUMBER: US 08/588,201  ; FILING DATE: 18-JAN-1996  ; ATTORNEY/AGENT INFORMATION:  ; NAME: Kitchell, Barbara S.  ; REGISTRATION NUMBER: 33,928  ; REFERENCE/DOCKET NUMBER: UFLA:062\KIT  ; TELECOMMUNICATION INFORMATION:  ; TELEPHONE: (512) 418-3000  ; TELEFAX: (713) 789-2679  ; INFORMATION FOR SEQ ID NO: 15:  ; LENGTH: 6253 base pairs  ; TYPE: nucleic acid  ; STRANDEDNESS: single  ; TOPOLOGY: linear  ; FEATURE:  ; NAME/KEY: CDS  ; LOCATION: 988..1701  ; US-08-893-327-15 </p>	<p> Query Match 100.0%; Score 145; DB 3; Length 6253;  Best Local Similarity 100.0%; Pred. No. 5.9e-31;  Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  Qy 1 TTGGCCACTCCCTCTCTGGCGGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60  Db 3400 TTGGCCACTCCCTCTCTGGCGGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 3341  Qy 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCACTGAGCGCGGCGACCGAGAGGGAGTG 120  Db 3340 CGACGCCCGGGCTTTGCCCGGGCGGCTCACTGAGCGCGGCGACCGAGAGGGAGTG 3281  Qy 121 GCCAACTCCATCACTAGGGTTCTT 145  Db 3280 GCCAACTCCATCACTAGGGTTCTT 3256 </p>	<p> RESULT 20  US-08-893-327-17  ; Sequence 17, Application US/08893327  ; Patent No. 6020192  ; GENERAL INFORMATION:  ; APPLICANT: Zolotukhin, Sergei  ; APPLICANT: Hauswirth, William W.  ; APPLICANT: Musyczka, Nicholas  ; TITLE OF INVENTION: Humanized Green Fluorescent Protein  ; TITLE OF INVENTION: Genes and Methods  ; NUMBER OF SEQUENCES: 20  ; CORRESPONDENCE ADDRESS:  ; ADDRESSEE: Arnold, White &amp; Durkee  ; STREET: P. O. Box 4433  ; CITY: Houston  ; STATE: TX  ; COUNTRY: USA  ; ZIP: 77210-4433  ; COMPUTER READABLE FORM:  ; MEDIUM TYPE: Floppy disk  ; COMPUTER: IBM PC compatible  ; OPERATING SYSTEM: PC-DOS/MS-DOS  ; SOFTWARE: PatentIn Release #1.0, Version #1.30  ; CURRENT APPLICATION DATA:  ; APPLICATION NUMBER: US/08/893,327  ; FILING DATE:  ; CLASSIFICATION: 514  ; PRIOR APPLICATION DATA:  ; APPLICATION NUMBER: US 08/588,201  ; FILING DATE: 18-JAN-1996  ; ATTORNEY/AGENT INFORMATION:  ; NAME: Kitchell, Barbara S.  ; REGISTRATION NUMBER: 33,928  ; REFERENCE/DOCKET NUMBER: UFLA:062\KIT  ; TELECOMMUNICATION INFORMATION:  ; TELEPHONE: (512) 418-3000  ; TELEFAX: (713) 789-2679  ; INFORMATION FOR SEQ ID NO: 17:  ; LENGTH: 6280 base pairs  ; TYPE: nucleic acid  ; STRANDEDNESS: single  ; TOPOLOGY: linear  ; FEATURE:  ; NAME/KEY: CDS  ; LOCATION: 988..1728  ; US-08-893-327-17 </p>	<p> ; ATTORNEY/AGENT INFORMATION:  ; NAME: Kitchell, Barbara S.  ; REGISTRATION NUMBER: 33,928  ; REFERENCE/DOCKET NUMBER: UFLA:062\KIT  ; TELECOMMUNICATION INFORMATION:  ; TELEPHONE: (512) 418-3000  ; TELEFAX: (713) 789-2679  ; INFORMATION FOR SEQ ID NO: 17:  ; LENGTH: 6280 base pairs  ; TYPE: nucleic acid  ; STRANDEDNESS: single  ; TOPOLOGY: linear  ; FEATURE:  ; NAME/KEY: CDS  ; LOCATION: 988..1728  ; US-08-893-327-17 </p>	<p> Query Match 100.0%; Score 145; DB 3; Length 6280;  Best Local Similarity 100.0%; Pred. No. 5.9e-31;  Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  Qy 1 TTGGCCACTCCCTCTCTGGCGGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60  Db 19 TTGGCCACTCCCTCTCTGGCGGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 78  Qy 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCACTGAGCGCGGCGACCGAGAGGGAGTG 120  Db 79 CGACGCCCGGGCTTTGCCCGGGCGGCTCACTGAGCGCGGCGACCGAGAGGGAGTG 138  Qy 121 GCCAACTCCATCACTAGGGTTCTT 145  Db 139 GCCAACTCCATCACTAGGGTTCTT 163 </p>	<p> RESULT 21  US-08-893-327-17/c  ; Sequence 17, Application US/08893327  ; Patent No. 6020192  ; GENERAL INFORMATION:  ; APPLICANT: Zolotukhin, Sergei  ; APPLICANT: Hauswirth, William W.  ; APPLICANT: Musyczka, Nicholas  ; TITLE OF INVENTION: Humanized Green Fluorescent Protein  ; TITLE OF INVENTION: Genes and Methods  ; NUMBER OF SEQUENCES: 20  ; CORRESPONDENCE ADDRESS:  ; ADDRESSEE: Arnold, White &amp; Durkee  ; STREET: P. O. Box 4433  ; CITY: Houston  ; STATE: TX  ; COUNTRY: USA  ; ZIP: 77210-4433  ; COMPUTER READABLE FORM:  ; MEDIUM TYPE: Floppy disk  ; COMPUTER: IBM PC compatible  ; OPERATING SYSTEM: PC-DOS/MS-DOS  ; SOFTWARE: PatentIn Release #1.0, Version #1.30  ; CURRENT APPLICATION DATA:  ; APPLICATION NUMBER: US/08/893,327  ; FILING DATE:  ; CLASSIFICATION: 514  ; PRIOR APPLICATION DATA:  ; APPLICATION NUMBER: US 08/588,201  ; FILING DATE: 18-JAN-1996  ; ATTORNEY/AGENT INFORMATION:  ; NAME: Kitchell, Barbara S.  ; REGISTRATION NUMBER: 33,928  ; REFERENCE/DOCKET NUMBER: UFLA:062\KIT  ; TELECOMMUNICATION INFORMATION:  ; TELEPHONE: (512) 418-3000  ; TELEFAX: (713) 789-2679  ; INFORMATION FOR SEQ ID NO: 17:  ; LENGTH: 6280 base pairs  ; TYPE: nucleic acid  ; STRANDEDNESS: single  ; TOPOLOGY: linear  ; FEATURE:  ; NAME/KEY: CDS  ; LOCATION: 988..1728  ; US-08-893-327-17 </p>
--	--	--	---	---	--



```
Db 3427 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAAAGTCCGC 3368
Qy 61 CGAGCCCGGGCTTTGCCCGGCGCTCACTGAGCGAGCGGCGCAGAGAGGAGTG 120
Db 3367 CGAGCCCGGGCTTTGCCCGGCGCTCACTGAGCGAGCGGCGCAGAGAGGAGTG 3308
Qy 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 3307 GCCAACTCCATCACTAGGGGTTCT 3283

RESULT 24
US-09-299-141-1
; Sequence 1, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 6565
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:PLASMID C-AT
US-09-299-141-1

Query Match 100.0%; Score 145; DB 3; Length 6565;
Best Local Similarity 100.0%; Pred. No. 5.9e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAAAGTCCGC 60
Db 19 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAAAGTCCGC 78
Qy 61 CGAGCCCGGGCTTTGCCCGGCGCTCACTGAGCGAGCGGCGCAGAGAGGAGTG 120
Db 79 CGAGCCCGGGCTTTGCCCGGCGCTCACTGAGCGAGCGGCGCAGAGAGGAGTG 138
Qy 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 139 GCCAACTCCATCACTAGGGGTTCT 163

RESULT 25
US-09-299-141-1/c
; Sequence 1, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 6565
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:PLASMID C-AT
US-09-299-141-1
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:PLASMID C-AT
US-09-299-141-1

Query Match 100.0%; Score 145; DB 3; Length 6565;
Best Local Similarity 100.0%; Pred. No. 5.9e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAAAGTCCGC 60
Db 3712 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAAAGTCCGC 3653
Qy 61 CGAGCCCGGGCTTTGCCCGGCGCTCACTGAGCGAGCGGCGCAGAGAGGAGTG 120
Db 3652 CGAGCCCGGGCTTTGCCCGGCGCTCACTGAGCGAGCGGCGCAGAGAGGAGTG 3593
Qy 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 3592 GCCAACTCCATCACTAGGGGTTCT 3568

RESULT 26
US-09-299-141-6
; Sequence 6, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 6714
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:PLASMID
US-09-299-141-6

Query Match 100.0%; Score 145; DB 3; Length 6714;
Best Local Similarity 100.0%; Pred. No. 5.9e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAAAGTCCGC 60
Db 18 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAAAGTCCGC 77
Qy 61 CGAGCCCGGGCTTTGCCCGGCGCTCACTGAGCGAGCGGCGCAGAGAGGAGTG 120
Db 78 CGAGCCCGGGCTTTGCCCGGCGCTCACTGAGCGAGCGGCGCAGAGAGGAGTG 137
Qy 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 138 GCCAACTCCATCACTAGGGGTTCT 162

RESULT 27
US-09-299-141-6/c
; Sequence 6, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
```

```

; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 6714
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
; OTHER INFORMATION: p43CB-AT
US-09-299-141-6

Query Match      100.0%; Score 145; DB 3; Length 6714;
Best Local Similarity 100.0%; Pred. No. 5.9e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60
DB      3860 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 3801

QY      61  CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGAGCGGCGGACGAGAGGAGTG 120
DB      3800 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGAGCGGCGGACGAGAGGAGTG 3741

QY      121 GCCAACTCCATCACTAGGGTTCCT 145
DB      3740 GCCAACTCCATCACTAGGGTTCCT 3716

RESULT 28
US-09-299-141-9
; Sequence 9, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 6924
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
; OTHER INFORMATION: p43rmbENC-AT
US-09-299-141-9

Query Match      100.0%; Score 145; DB 3; Length 6924;
Best Local Similarity 100.0%; Pred. No. 6e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60
DB      4070 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 4011

QY      61  CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGAGCGGCGGACGAGAGGAGTG 120
DB      4010 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGAGCGGCGGACGAGAGGAGTG 3951

QY      121 GCCAACTCCATCACTAGGGTTCCT 145
DB      3950 GCCAACTCCATCACTAGGGTTCCT 3926

RESULT 30
US-09-299-141-10
; Sequence 10, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 6924
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
; OTHER INFORMATION: p43rmbNCB-AT
US-09-299-141-10

Query Match      100.0%; Score 145; DB 3; Length 6924;
Best Local Similarity 100.0%; Pred. No. 6e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60
DB      18  TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 77

QY      61  CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGAGCGGCGGACGAGAGGAGTG 120
DB      78  CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGAGCGGCGGACGAGAGGAGTG 137
```

```

QY      121 GCCAACTCCATCACTAGGGTTCCT 145
DB      138 GCCAACTCCATCACTAGGGTTCCT 162

RESULT 29
US-09-299-141-9/c
; Sequence 9, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 6924
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
; OTHER INFORMATION: p43rmbENC-AT
US-09-299-141-9

Query Match      100.0%; Score 145; DB 3; Length 6924;
Best Local Similarity 100.0%; Pred. No. 6e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60
DB      4070 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 4011

QY      61  CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGAGCGGCGGACGAGAGGAGTG 120
DB      4010 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGAGCGGCGGACGAGAGGAGTG 3951

QY      121 GCCAACTCCATCACTAGGGTTCCT 145
DB      3950 GCCAACTCCATCACTAGGGTTCCT 3926

RESULT 30
US-09-299-141-10
; Sequence 10, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 6924
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
; OTHER INFORMATION: p43rmbNCB-AT
US-09-299-141-10
```





```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:PLASMID dE-AT
US-09-299-141-3

Query Match      100.0%; Score 145; DB 3; Length 7054;
Best Local Similarity 100.0%; Pred. No. 6e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTAGAGCGCGCGACCAAGGTCGCC 60
Db 4201 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTAGAGCGCGCGACCAAGGTCGCC 4142

Qy 61 CGACGCCCGGGCTTTGCCCGCGCGCTCACTAGAGCGCGCGCGAGAGGGAGTG 120
Db 4141 CGACGCCCGGGCTTTGCCCGCGCGCTCACTAGAGCGCGCGAGAGGGAGTG 4082

Qy 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 4081 GCCAACTCCATCACTAGGGGTTTCCT 4057

RESULT 38
US-09-299-141-2
; Sequence 2, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 7405
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:PLASMID E-AT
US-09-299-141-2

Query Match      100.0%; Score 145; DB 3; Length 7405;
Best Local Similarity 100.0%; Pred. No. 6e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTAGAGCGCGCGACCAAGGTCGCC 60
Db 19 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTAGAGCGCGCGACCAAGGTCGCC 78

Qy 61 CGACGCCCGGGCTTTGCCCGCGCGCTCACTAGAGCGCGCGAGAGGGAGTG 120
Db 79 CGACGCCCGGGCTTTGCCCGCGCGCTCACTAGAGCGCGCGAGAGGGAGTG 138

Qy 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 139 GCCAACTCCATCACTAGGGGTTTCCT 163

RESULT 39
US-09-299-141-2/c
; Sequence 2, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
```

```
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 7405
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:PLASMID E-AT
US-09-299-141-2

Query Match      100.0%; Score 145; DB 3; Length 7405;
Best Local Similarity 100.0%; Pred. No. 6e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTAGAGCGCGCGACCAAGGTCGCC 60
Db 4552 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTAGAGCGCGCGACCAAGGTCGCC 4493

Qy 61 CGACGCCCGGGCTTTGCCCGCGCGCTCACTAGAGCGCGCGAGAGGGAGTG 120
Db 4492 CGACGCCCGGGCTTTGCCCGCGCGCTCACTAGAGCGCGCGAGAGGGAGTG 4433

Qy 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 4432 GCCAACTCCATCACTAGGGGTTTCCT 4408

RESULT 40
US-09-299-141-5
; Sequence 5, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 7492
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT-IN
US-09-299-141-5

Query Match      100.0%; Score 145; DB 3; Length 7492;
Best Local Similarity 100.0%; Pred. No. 6e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTAGAGCGCGCGACCAAGGTCGCC 60
Db 6279 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTAGAGCGCGCGACCAAGGTCGCC 6338

Qy 61 CGACGCCCGGGCTTTGCCCGCGCGCTCACTAGAGCGCGCGAGAGGGAGTG 120
Db 6339 CGACGCCCGGGCTTTGCCCGCGCGCTCACTAGAGCGCGCGAGAGGGAGTG 6398

Qy 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 121 GCCAACTCCATCACTAGGGGTTTCCT 145
```



```
Db      6399  GCCAACTCCATCACTAGGGGTTTCCT 6423

RESULT 41
US-09-299-141-5/c
; Sequence 5, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 5
; LENGTH: 7492
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT-IN
US-09-299-141-5

Query Match      100.0%; Score 145; DB 3; Length 7492;
Best Local Similarity 100.0%; Pred. No. 6e-31; Indels 0; Gaps 0;
Matches 145; Conservative 0; Mismatches 0;

QY      1  TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAAGGTCGCC 60
Db      3444  TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAAGGTCGCC 3385

QY      61  CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGGCGAGAGGAGTG 120
Db      3384  CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGGCGAGAGGAGTG 3325

QY      121  GCCAACTCCATCACTAGGGGTTTCCT 145
Db      3324  GCCAACTCCATCACTAGGGGTTTCCT 3300

RESULT 42
US-09-770-315-2
; Sequence 2, Application US/09770315
; Patent No. 6429001
; GENERAL INFORMATION:
; APPLICANT: Chiron Corporation
; TITLE OF INVENTION: Recombinant AAV Packaging Systems
; FILE REFERENCE: 20263-501
; CURRENT APPLICATION NUMBER: US/09/770,315
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: US 60/178,536
; PRIOR FILING DATE: 2000-01-26
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 8698
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: recombinant DNA
US-09-770-315-2

Query Match      100.0%; Score 145; DB 3; Length 8698;
Best Local Similarity 100.0%; Pred. No. 6.1e-31; Indels 0; Gaps 0;
Matches 145; Conservative 0; Mismatches 0;

QY      1  TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAAGGTCGCC 60

Db      6399  GCCAACTCCATCACTAGGGGTTTCCT 6423

RESULT 43
US-09-276-625-4
; Sequence 4, Application US/09276625
; Patent No. 6436392
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; APPLICANT: Duan, Dongheng
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US1
; CURRENT APPLICATION NUMBER: US/09/276,625
; CURRENT FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 272
; TYPE: DNA
; ORGANISM: AAV circular intermediate, clone p81
US-09-276-625-4

Query Match      98.9%; Score 143.4; DB 3; Length 272;
Best Local Similarity 99.3%; Pred. No. 1.2e-30; Indels 0; Gaps 0;
Matches 144; Conservative 0; Mismatches 1;

QY      1  TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAAGGTCGCC 60
Db      69  TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAAGGTCGCC 128

QY      61  CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGGCGAGAGGAGTG 120
Db      129  CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGGCGAGAGGAGTG 188

QY      121  GCCAACTCCATCACTAGGGGTTTCCT 145
Db      189  GCCAACTCCATCACTAGGGGTTTCCT 213

RESULT 44
US-08-305-221-1
; Sequence 1, Application US/08305221
; Patent No. 5834441
; GENERAL INFORMATION:
; APPLICANT: APPLIED IMMUNE, SCIENCES, INC.
; APPLICANT: PHILIP, RAMILA
; APPLICANT: LEBKOWSKI, JANE
; TITLE OF INVENTION: ADENO-ASSOCIATED VIRAL (AAV)
; TITLE OF INVENTION: LIPOSOMES
; TITLE OF INVENTION: AND METHODS RELATED THERETO
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESS: HELLER, EHRMAN, WHITE & MCAULIFFE
; STREET: 333 BUSH STREET
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104-2878
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
```

```
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/305,221
; FILING DATE: 12-SEP-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/120,605
; FILING DATE: 13-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: LITHGOW, TIMOTHY J.
; REGISTRATION NUMBER: US 36,856
; REFERENCE/DOCKET NUMBER: 12414-0163
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-772-6000
; TELEFAX: 415-772-6268
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5585 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; PUBLICATION INFORMATION:
; DOCUMENT NUMBER: PCT/US94/09774
; FILING DATE: 13-SEP-1994
;
; US-08-305-221-1
;
; Query Match 97.8%; Score 141.8; DB 2; Length 5585;
; Best Local Similarity 98.6%; Pred. No. 4.4e-30;
; Matches 143; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
;
; QY 1 TTGGCCACTCCCTCTCTCGCGGCTCGCTCACTGAGCGCGGCGGACCAAGTCGCC 60
;
; Db 46 TGGGCACTCCCTCTCTCGCGGCTCGCTCACTGAGCGCGGCGGACCAAGTCGCC 105
;
; QY 61 CGACGCCCGGGTTTGGCCGGCGGCGCTCAGTGACGAGCGGCGGAGAGGGAGTG 120
;
; Db 106 CGACGCCCGGGTTTGGCCGGCGGCGCTCAGTGAGCGGAGCGGCGGAGAGGGAGTG 165
;
; QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
;
; Db 166 GCCAACTCCATCACTAGGGGTTTCCT 190
;
; RESULT 45
; US-09-000-003A-1
; Sequence 1, Application US/09000003A
; Patent No. 6652850
; GENERAL INFORMATION:
; APPLICANT: Philip, Ramila
; Lebkowski, Jane S.
; TITLE OF INVENTION: ADENO-ASSOCIATED VIRAL LIPOSOMES AND
; THEIR USE IN TRANSFECTING DENDRITIC CELLS TO STIMULATE
; SPECIFIC IMMUNITY
;
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Alexis Barron, Esq.
; STREET: Suite 2600 Aramark Tower, 1101 Market Street
; CITY: Philadelphia
; STATE: PA
; COUNTRY: United States of America
; ZIP: 19107
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/000,003A
; FILING DATE: 15-Jun-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: PCT/US96/12012
; FILING DATE: 19-JUL-1996
; APPLICATION NUMBER: US 60/001,312
; FILING DATE: 21-JUL-1995
; APPLICATION NUMBER: US 60/007,184
; FILING DATE: 01-NOV-1995
; APPLICATION NUMBER: US 08/566,286
; FILING DATE: 01-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Barron, Alexis
; REGISTRATION NUMBER: 22,702
; REFERENCE/DOCKET NUMBER: 20,846-K USA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 923-4466
; TELEFAX: (215) 923-2189
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5585 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1565..2035
; OTHER INFORMATION: /product= "Residues 1565 to 1579 rat insulin
; signal peptide; residues 1580 to 1582 linker;
; residues 1583
; to 2035 human IL-2"
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..44
; OTHER INFORMATION: /product= "Bluescript KS II +
; cloning vector"
; FEATURE:
; NAME/KEY: LTR
; LOCATION: 45..239
; OTHER INFORMATION: /function= "Left terminal region of
; adeno-associated virus"
; FEATURE:
; NAME/KEY: promoter
; LOCATION: 293..1075
; OTHER INFORMATION: /function= "CMV promoter"
; FEATURE:
; NAME/KEY: idna
; LOCATION: 1079..1264
; OTHER INFORMATION: /function= "Adeno virus major late
; intervening sequence"
; FEATURE:
; NAME/KEY: idna
; LOCATION: 1269..1357
; OTHER INFORMATION: /function= "Mouse immunoglobulin
; intervening sequence"
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 1394..1564
; OTHER INFORMATION: /function= "Rat preproinsulin 5'
; untranslated region"
; FEATURE:
; NAME/KEY: polyA site
; LOCATION: 2085..2471
; OTHER INFORMATION: /standard_name= "SV40
; polyadenylation signal"
; FEATURE:
; NAME/KEY: LTR
; LOCATION: 2579..2762
; OTHER INFORMATION: /function= "right terminal region
; of adeno-associated virus"
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 2763..5585
```

```
;
; OTHER INFORMATION: /product= "Bluescript KS II +
; cloning vector"
;
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: 2039..2071
; OTHER INFORMATION: /function= "3' untranslated region
; of human IL-2"
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-000-003A-1

Query Match          97.8%; Score 141.8; DB 4; Length 5585;
Best Local Similarity 98.6%; Pred. No. 4.4e-30;
Matches 143; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTGCGCC 60
DB 46 TGGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGACGGCGGACCAAAAGGTGCGCC 105

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTACGAGCGAGCGCGGCGCAGAGGGAGTG 120
DB 106 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTACGAGCGAGCGAGCGCGGCGCAGAGGGAGTG 165

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
DB 166 GCCAACTCCATCACTAGGGGTTCT 190

RESULT 46
US-09-276-625-6
; Sequence 6, Application US/09276625
; Patent No. 6436392
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US1
; CURRENT APPLICATION NUMBER: US/09/276,625
; CURRENT FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 272
; TYPE: DNA
; ORGANISM: AAV circular intermediate, clone p1202
US-09-276-625-6

Query Match          95.6%; Score 138.6; DB 3; Length 272;
Best Local Similarity 97.2%; Pred. No. 2.5e-29;
Matches 141; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTGCGCC 60
DB 69 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTGCGCC 128

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTACGAGCGAGCGAGCGCGGCGCAGAGGGAGTG 120
DB 129 CGACGCCCGGGCTTTGGTCGCCCGGCTCAGTACGAGCGAGCGAGCGCGGCGCAGAGGGAGTG 188

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
DB 189 GCCAACTCCATCACTAGGGGTTCT 213

RESULT 47
US-07-989-841A-6/c
; Sequence 6, Application US/07989841A
; Patent No. 5478745
; GENERAL INFORMATION:
; APPLICANT: Samulski, R. J.
; TITLE OF INVENTION: Recombinant Viral Vector System
```

```
;
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/989,841A
; FILING DATE: On even date herewith
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 6636-013
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
US-07-989-841A-6

Query Match          93.4%; Score 135.4; DB 1; Length 145;
Best Local Similarity 95.9%; Pred. No. 1.8e-28;
Matches 139; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTGCGCC 60
DB 145 TTGGCCACGCCCGCGCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTGCGCC 86

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTACGAGCGAGCGCGGCGCAGAGGGAGTG 120
DB 85 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTACGAGCGAGCGCGGCGCAGAGGGAGTG 26

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
DB 25 GCCAACTCCATCACTAGGGGTTCT 1

RESULT 48
US-08-440-738A-6/c
; Sequence 6, Application US/08440738A
; Patent No. 5869305
; GENERAL INFORMATION:
; APPLICANT: Samulski, R. J.
; APPLICANT: Xiao, X.
; TITLE OF INVENTION: Recombinant Viral Vector System
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
```

```

; APPLICATION NUMBER: US/08/440,738A
; FILING DATE: May 15, 1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 6636-022
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; US-08-440-738A-6

Query Match 93.4%; Score 135.4; DB 2; Length 145;
Best Local Similarity 95.9%; Pred. No. 1.8e-28;
Matches 139; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGCGGCGACCAAAAGGTCGCC 60
Db 145 TTGGCCACGCCCGCGCTTGCGCGCTCGCTCAGTGAGCGCGCGGCGACCAAAAGGTCGCC 86

Qy 61 CGAGCGCCGGGCTTTGCGCGGCGGCTCAGTGAGCGCGCGGCGAGAGGGAGTG 120
Db 85 CGAGCGCCGGGCTTTGCGCGGCGGCTCAGTGAGCGCGCGGCGAGAGGGAGTG 26

Qy 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 25 GCCAACGCCAGCACGAGGGTTCT 1

RESULT 49
US-08-471-914-6/c
; Sequence 6, Application US/08471914A
; Patent No. 6057152
; GENERAL INFORMATION:
; APPLICANT: Samulski, R.
; APPLICANT: Xiao, X.
; TITLE OF INVENTION: RECOMBINANT VIRAL VECTOR SYSTEM
; FILE REFERENCE: 6636-027
; CURRENT APPLICATION NUMBER: US/08/471,914A
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/440,738
; EARLIER FILING DATE: 1995-05-15
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 145
; TYPE: DNA
; ORGANISM: adeno-associated virus
; US-08-471-914-6

Query Match 93.4%; Score 135.4; DB 3; Length 145;
Best Local Similarity 95.9%; Pred. No. 1.8e-28;
Matches 139; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGCGGCGACCAAAAGGTCGCC 60
Db 145 TTGGCCACGCCCGCGCTTGCGCGCTCGCTCAGTGAGCGCGCGGCGACCAAAAGGTCGCC 86

Qy 61 CGAGCGCCGGGCTTTGCGCGGCGGCTCAGTGAGCGCGCGGCGAGAGGGAGTG 120
Db 85 CGAGCGCCGGGCTTTGCGCGGCGGCTCAGTGAGCGCGCGGCGAGAGGGAGTG 26

Qy 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 25 GCCAAAGCCAGCACGAGGGGTTCT 1

```

## RESULT 51

US-08-525-866-1/c  
; Sequence 1, Application US/08525866  
; Patent No. 6207457  
; GENERAL INFORMATION:  
; APPLICANT: NATSOULIS, GEORGES  
; APPLICANT: FUROSKY, RICHARD T.  
; TITLE OF INVENTION: TARGETED NUCLEOTIDE SEQUENCE DELIVERY  
; TITLE OF INVENTION: AND INTEGRATION SYSTEM  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: REED & ROBINS  
; STREET: 285 Hamilton Avenue, Suite 200  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94301  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/525,866  
; FILING DATE: 08-SEP-1995  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: ROBINS, ROBERTA L.  
; REGISTRATION NUMBER: 33,208  
; REFERENCE/DOCKET NUMBER: 0800-0006  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 327-3400  
; TELEFAX: (415) 327-3231  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 145 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-525-866-1

Query Match 86.2%; Score 125; DB 3; Length 145;

Best Local Similarity 100.0%; Pred. No. 1.3e-25;

Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60  
DB 125 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 66  
QY 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120  
DB 65 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 6  
QY 121 GCCAA 125  
DB 5 GCCAA 1

## RESULT 52

US-08-702-573-3  
; Sequence 3, Application US/08702573  
; Patent No. 6033885  
; GENERAL INFORMATION:  
; APPLICANT: LATTA, Martine  
; APPLICANT: DENEPE, Patrice  
; APPLICANT: VIGNE, Emmanuelle  
; APPLICANT: PERRICAUDET, Michel  
; TITLE OF INVENTION: INTEGRATIVE RECOMBINANT ADENOVIRUSES,  
; TITLE OF INVENTION: PREPARATION THEREOF AND THERAPEUTICAL USES THEREOF  
; NUMBER OF SEQUENCES: 13  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Rhone-Poulenc Rorer Inc.  
; STREET: 500 Arcola Rd. 3C43

; CITY: Collegeville  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19426  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/702,573  
; FILING DATE:  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: FR 94/02445  
; FILING DATE: 03-MAR-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: WO PCT/FR95/00233  
; FILING DATE: 28-FEB-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Smith Ph.D., Julie K.  
; REGISTRATION NUMBER: 38,619  
; REFERENCE/DOCKET NUMBER: ST94011-US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (610)454-3839  
; TELEFAX: (610)454-3808  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 192 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: 1..192  
; OTHER INFORMATION: /note= "Right ITR Sequence in  
; Patent No. 6033885  
; OTHER INFORMATION: pXL2384"  
US-08-702-573-3

Query Match 86.2%; Score 125; DB 3; Length 192;

Best Local Similarity 100.0%; Pred. No. 1.3e-25;

Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60  
DB 68 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 127  
QY 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120  
DB 128 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 187  
QY 121 GCCAA 125  
DB 188 GCCAA 192

## RESULT 53

US-09-276-625-6/c  
; Sequence 6, Application US/09276625  
; Patent No. 6436392  
; GENERAL INFORMATION:  
; APPLICANT: Engelhardt, John F.  
; APPLICANT: Duan, Dongsheng  
; TITLE OF INVENTION: Adeno-associated virus vectors  
; FILE REFERENCE: 875.007US1  
; CURRENT APPLICATION NUMBER: US/09/276,625  
; CURRENT FILING DATE: 1999-03-25  
; PRIOR APPLICATION NUMBER: US 60/086,166  
; PRIOR FILING DATE: 1998-05-20  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: FastSeq for Windows Version 4.0

```
; SEQ ID NO 6
; LENGTH: 272
; TYPE: DNA
; ORGANISM: AAV circular intermediate, clone p1202
US-09-276-625-6

Query Match      85.7%; Score 124.2; DB 3; Length 272;
Best Local Similarity 91.0%; Pred. No. 2.3e-25;
Matches 132; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTCGCGGCTCGCTCGCTCACTAGAGCGCGCGCGACCAAGGTGCGCC 60
Db 193 TTGGCCACTCCCTCTCTCGCGGCTCGCTCGCTCACTAGAGCGCGCGCGACCAAGGTGCGCC 134
Qy 61 CGAGCCCGGGCTTTGCGCGGCGGCTCGCTCACTAGAGCGAGCGAGCGCGCGAGAGGAGTG 120
Db 133 CGTGGCGGACCTTTGGTGGCGCGGCTCGCTCACTAGAGCGAGCGAGCGCGCGAGAGGAGTG 74
Qy 121 GCCAACTCCATCACTAGGGGTTCTT 145
Db 73 GCCAACTCCATCACTAGGGGTTCTT 49

RESULT 54
US-09-394-110A-1/c
; Sequence 1, Application US/09394110A
; Patent No. 6451594
; GENERAL INFORMATION:
; APPLICANT: Chien, Kenneth
; APPLICANT: Wang, Yibin
; APPLICANT: Evans, Sylvia
; TITLE OF INVENTION: No. 6451594el Recombinant Adenovirus for Tissue Specific Expression
; FILE REFERENCE: 6627-PA8045
; CURRENT APPLICATION NUMBER: US/09/394,110A
; CURRENT FILING DATE: 1999-09-10
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 174
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-09-394-110A-1

Query Match      84.8%; Score 123; DB 3; Length 174;
Best Local Similarity 100.0%; Pred. No. 4.7e-25;
Matches 123; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTCGCGGCTCGCTCGCTCACTAGAGCGCGCGCGACCAAGGTGCGCC 60
Db 123 TTGGCCACTCCCTCTCTCGCGGCTCGCTCGCTCACTAGAGCGCGCGCGACCAAGGTGCGCC 64
Qy 61 CGAGCCCGGGCTTTGCGCGGCGGCTCGCTCACTAGAGCGAGCGAGCGCGCGAGAGGAGTG 120
Db 63 CGAGCCCGGGCTTTGCGCGGCGGCTCGCTCACTAGAGCGAGCGAGCGCGCGAGAGGAGTG 4
Qy 121 GCC 123
Db 3 GCC 1

RESULT 55
US-09-276-625-4/c
; Sequence 4, Application US/09276625
; Patent No. 6436392
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; APPLICANT: Duan, Dongsheng
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US1
; CURRENT APPLICATION NUMBER: US/09/276,625
; CURRENT FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20

; SEQ ID NO 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 272
; TYPE: DNA
; ORGANISM: AAV circular intermediate, clone p81
US-09-276-625-4

Query Match      82.3%; Score 119.4; DB 3; Length 272;
Best Local Similarity 89.0%; Pred. No. 4.8e-24;
Matches 129; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTCGCGGCTCGCTCGCTCACTAGAGCGCGCGCGACCAAGGTGCGCC 60
Db 193 TTGGCCACTCCCTCTCTCGCGGCTCGCTCGCTCACTAGAGCGCGCGCGACCAAGGTGCGCC 134
Qy 61 CGAGCCCGGGCTTTGCGCGGCGGCTCGCTCACTAGAGCGAGCGAGCGCGCGAGAGGAGTG 120
Db 133 CGTGGCGGACCTTTGGCGCGGCTCGCTCACTAGAGCGAGCGAGCGCGCGAGAGGAGTG 74
Qy 121 GCCAACTCCATCACTAGGGGTTCTT 145
Db 73 GCCAACTCCATCACTAGGGGTTCTT 49

RESULT 56
US-08-525-866-1
; Sequence 1, Application US/08525866
; Patent No. 6207457
; GENERAL INFORMATION:
; APPLICANT: NATSOUKIS, GEORGES
; APPLICANT: FUROSKY, RICHARD T.
; TITLE OF INVENTION: TARGETED NUCLEOTIDE SEQUENCE DELIVERY
; TITLE OF INVENTION: AND INTEGRATION SYSTEM
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: REED & ROBINS
; STREET: 285 Hamilton Avenue, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/525,866
; FILING DATE: 08-SEP-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: ROBINS, ROBERTA L.
; REGISTRATION NUMBER: 33,208
; REFERENCE/DOCKET NUMBER: 0800-0006
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 327-3400
; TELEFAX: (415) 327-3231
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-525-866-1

Query Match      81.2%; Score 117.8; DB 3; Length 145;
Best Local Similarity 88.3%; Pred. No. 1.3e-23;
Matches 128; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTCGCGGCTCGCTCGCTCACTAGAGCGCGCGCGACCAAGGTGCGCC 60
Db 1 TTGGCCACTCCCTCTCTCGCGGCTCGCTCGCTCACTAGAGCGCGCGCGACCAAGGTGCGCC 60
```

Qy	61	CGAGCCCGGGCTTTGCCGGGCGGCTCAGTGAGCGAGCGAGCGGAGAGGGAGTG	120
Db	61	CGTGGGGCACTTTTGTGTCGCCCGGCCCTCAGTGAGCGAGCGAGCGGAGAGGGAGTG	120
Qy	121	GCCAACTCCATCACTAGGGGTTCT	145
Db	121	GCCAACTCCATCACTAGGGGTTCT	145

RESULT 57  
US-07-989-841A-1/c  
; Sequence 1, Application US/07989841A  
; Patent No. 5478745  
; GENERAL INFORMATION:  
; APPLICANT: Samulski, R. J.  
; APPLICANT: Xiao, X.  
; TITLE OF INVENTION: Recombinant Viral Vector System  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10036-2711  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/989,841A  
; FILING DATE: On even date herewith  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:

Query Match	81.2%	Score 117.8;	DB 1;	Length 165;
Best Local Similarity	88.3%	Pred. NO. 1.3e-23;		
Matches 128; Conservative	0;	Mismatches 17;	Indels 0;	Gaps 0;

Qy	61	CGACGCCCGGGCTTTGCCCGGGCGGCTTCAGTGACGAGCGAGCCGCGAGAGGAGGAGTG	120
Db	85	CGTCGGGCGACCTTTTGGTTCGCCCGGCTTCAGTGACGAGCGAGCCGCGAGAGGAGGAGTG	26
Qy	121	GCCAACTCCATCACTAGGGGTTCTCT	145
Db	25	GCCAACTCCATCACTAGGGGTTCTCT	1

RESULT 58  
US-08-440-738A-1/c  
; Sequence 1, Application US/08440738A  
; Patent No. 5869305

```

1 GENERAL INFORMATION:
2 APPLICANT: Samulski, R. J.
3 APPLICANT: Xiao, X.
4 TITLE OF INVENTION: Recombinant Viral Vector System
5 NUMBER OF SEQUENCES: 6
6 CORRESPONDENCE ADDRESS:
7 ADDRESSEE: Pennie & Edmonds
8 STREET: 1155 Avenue of the Americas
9 CITY: New York
10 STATE: New York
11 COUNTRY: U.S.A.
12 ZIP: 10036-2711
13 COMPUTER READABLE FORM:
14 MEDIUM TYPE: Floppy disk
15 COMPUTER: IBM PC compatible
16 OPERATING SYSTEM: PC-DOS/MS-DOS
17 SOFTWARE: PatentIn Release #1.0, Version #1.25
18 CURRENT APPLICATION DATA:
19 APPLICATION NUMBER: US/08/440,738A
20 FILING DATE: May 15, 1995
21 CLASSIFICATION: 435
22 ATTORNEY/AGENT INFORMATION:
23 NAME: Coruzzi, Laura A
24 REGISTRATION NUMBER: 30,742
25 REFERENCE/DOCKET NUMBER: 6636-022
26 TELECOMMUNICATION INFORMATION:
27 TELEPHONE: (212) 790-9090
28 TELEFAX: (212) 869-8864/9741
29 TELEX: 66141 PENNIE
30 INFORMATION FOR SEQ ID NO: 1:
31 SEQUENCE CHARACTERISTICS:
32 LENGTH: 165 base pairs
33 TYPE: nucleic acid
34 STRANDEDNESS: double
35 TOPOLOGY: unknown
36 MOLECULE TYPE: DNA (genomic)
37 US-08-440-738A-1

```

	Query Match	81.2%	Score 117.8;	DB 2;	Length 165;
	Best Local Similarity	88.3%;	Pred. No. 1.3e-23;		
	Matches 128;	Conservative 0;	Mismatches 17;	Indels 0;	Gaps 0;
Qy	1	TTGGCCACTCCCTCTCTGCGCGGTCTGCTCTCACTGAGGCGGCGACCAAGGTCGCC	60		
Db	145	TTGGCCACTCCCTCTCTGCGCGGTCTGCTCTCACTGAGGCGGCGGCGGCGGCGG	86		
Qy	61	CGACGCCCGCGGCTTTTGCCCGGCGGCGCTCAGTCAGCGAGGCGCGCACAGAGGGAGTG	120		
Db	85	CGTCGGGCGACCTTTGGTCGCCCGGCGCTCAGTCAGCGAGGCGCGCACAGAGGGAGTG	26		
Qy	121	GCCAACTCCATCACTAGGGGTTCTT	145		
Db	25	GCCAACTCCATCACTAGGGGTTCTT	1		

```

RESULT 59
US-08-471-914-1/c
; Sequence 1, Application US/08471914A
; Patent No. 6057152
; .GENERAL INFORMATION:
; APPLICANT: Samulski, R.
; APPLICANT: Xiao, X.
; TITLE OF INVENTION: RECOMBINANT VIRAL VECTOR SYSTEM
; FILE REFERENCE: 6636-027
; CURRENT APPLICATION NUMBER: US/08/471,914A
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/440,738
; EARLIER FILING DATE: 1995-05-15
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1
; LENGTH: 165
; TYPE: DNA

```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: double-D
; OTHER INFORMATION: sequence
US-08-471-914-1

Query Match      81.2%; Score 117.8; DB 3; Length 165;
Best Local Similarity 88.3%; Pred. No. 1.3e-23;
Matches 128; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGCCGACCAAGGTGCGCC 60
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
145 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGCCGACCAAGGTGCGCG 86
Qy 61 CGAGCGCGCGGCTTTGCGCGCGCGCTCACTGAGCGCGCGCGCGCGCGAGAGGGAGTG 120
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
85 CGTCGGCGGACCTTTGGTTCGCGCGCGCTCACTGAGCGCGCGCGCGCGAGAGGGAGTG 26
Qy 121 GCCAACTCCATCACTAGGGGTTCT 145
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
25 GCCAACTCCATCACTAGGGGTTCT 1

RESULT 60
US-09-276-625-7/c
; Sequence 7, Application US/09276625
; Patent No. 6436392
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US1
; CURRENT APPLICATION NUMBER: US/09/276,625
; CURRENT FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 6436392 5,478,745
US-09-276-625-7

Query Match      81.2%; Score 117.8; DB 3; Length 165;
Best Local Similarity 88.3%; Pred. No. 1.3e-23;
Matches 128; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGCGCCGACCAAGGTGCGCC 60
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
145 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGCGCCGACCAAGGTGCGCG 86
Qy 61 CGAGCGCGCGGCTTTGCGCGCGCGCTCACTGAGCGCGCGCGCGCGAGAGGGAGTG 120
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
85 CGTCGGCGGACCTTTGGTTCGCGCGCGCTCACTGAGCGCGCGCGCGCGAGAGGGAGTG 26
Qy 121 GCCAACTCCATCACTAGGGGTTCT 145
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
25 GCCAACTCCATCACTAGGGGTTCT 1

Search completed: July 5, 2005, 13:29:02
Job time : 118.722 secs
```